The Davis Handbook

OF

The Cobalt Silver District

WITH

A MANUAL OF INCORPORATED COMPANIES

BY

H. P. DAVIS

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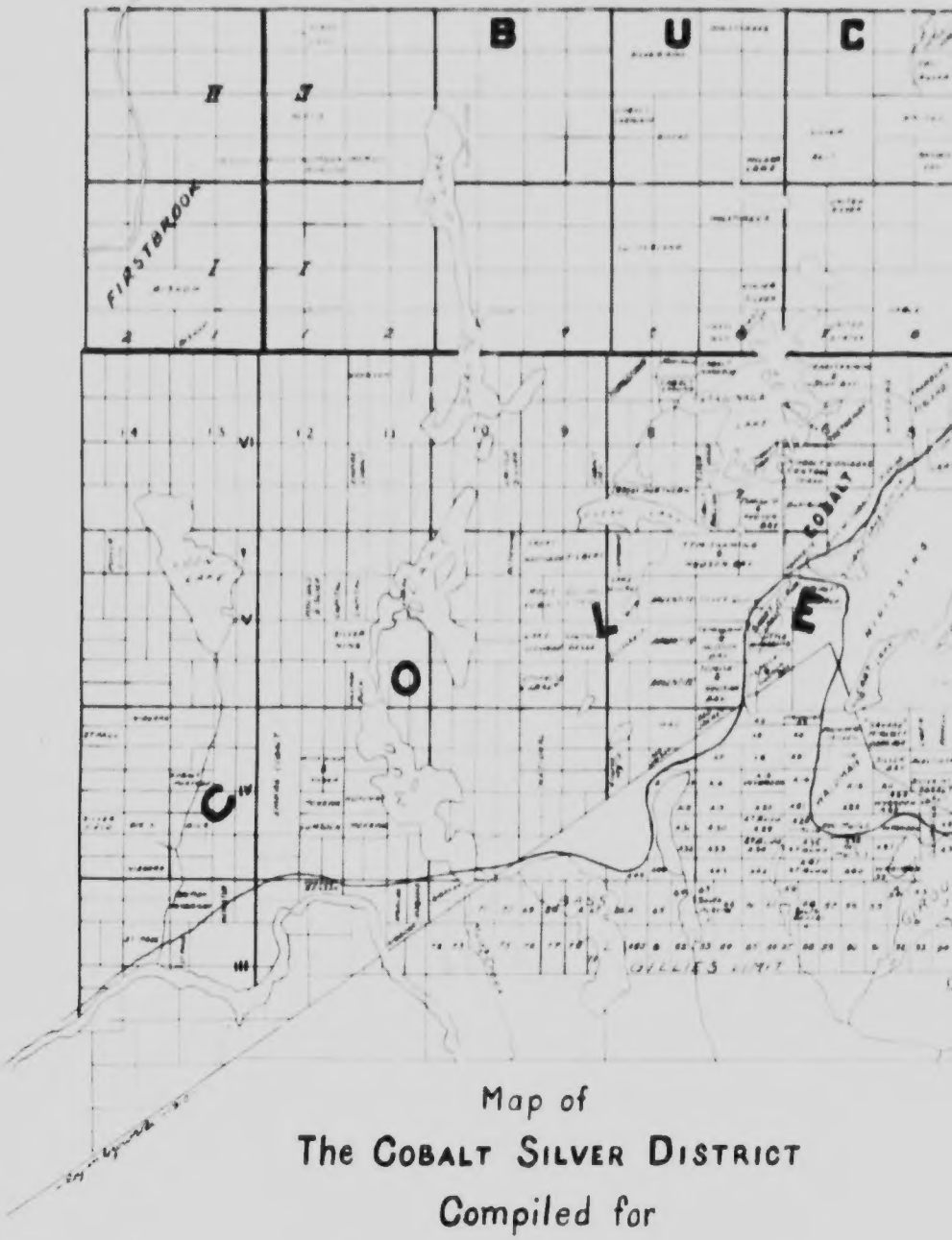
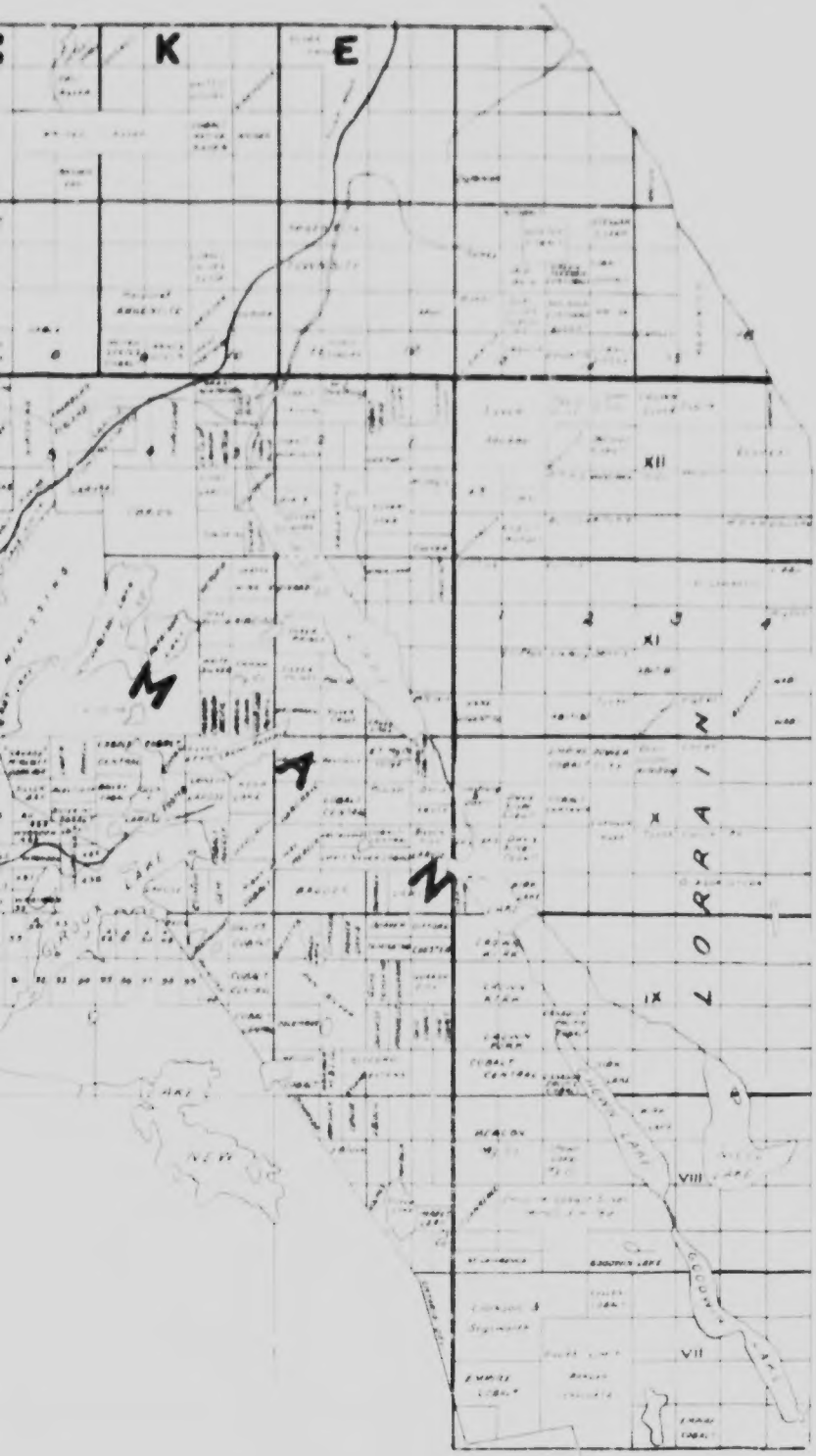


Map of
The Cobalt Silver District
Compiled for
The Davis Handbook


K
E
XII
XI
X
IX
VIII
VII
LORRAIN

PREFACE.

This volume has been compiled for the purpose of affording investors and others, both here and abroad, a ready and accurate means of ascertaining the conditions of incorporation and the location of the mining claims of each and every chartered mining company organized to operate in the Cobalt district.

So far as possible, complete statements showing the financial standing of the companies have been included. The names and addresses of officers and like information, have been obtained in most cases. In some instances full information has not been obtainable. In a few it has been refused. Transcriptions from the records in the office of the Provincial Secretary were resorted to in the rare event of refusal to divulge details on the part of a company.

The general reading matter is intended to convey to the lay reader a fair conception of the geology of the camp, and to indicate in a superficial manner the methods of mining, treating, and marketing the ores. These sections are necessarily incomplete and imperfect. It is hoped, however, that they will attain in some degree the object at which they aim.

The chief object of the compiler was, of course, to prepare a complete and accurate directory of Cobalt mining companies. At present inquirers are forced to depend upon private or semi-private informants. Specific facts as to any mining company can rarely be ascertained without much delay and trouble. Usually information of this kind is needed in a hurry. Numberless enquiries are never answered at all.

No pains have been spared to make the directory complete. It is confidently expected that it will be of benefit to all those interested directly or indirectly in Cobalt. The arrangement is simple. The utmost care has been taken to guard against the inclusion of puffs or inaccuracies.

It is the intention of the publishers to bring out annual revisions of this volume, and, possibly, to widen its scope.

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In reviewing the development of the Cobalt District, the intimate connection between the history of Cobalt and the Ontario Bureau of Mines must not be overlooked. Simultaneously with the first rush of prospectors to the camp, the Ontario Government had to face, rapidly and firmly, a condition of affairs quite new to the Province.

The Mines Act, as it then stood, was neither a complete nor a competent instrument. Radical changes were necessary to meet the unique features of the new camp.

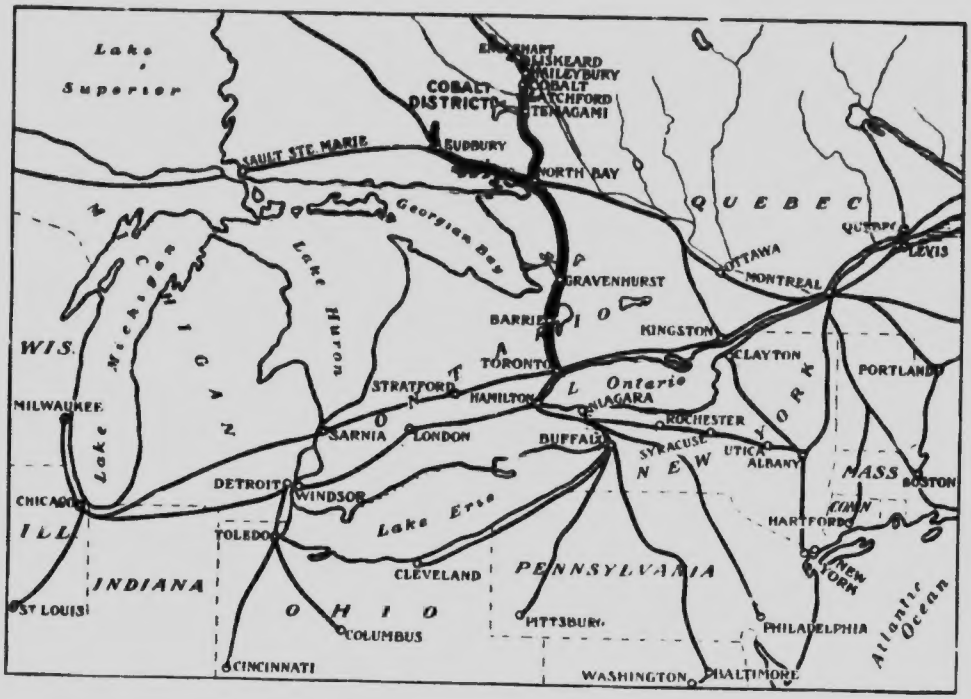
It is possible that the Government did not always act entirely on the advice of the Bureau of Mines. It is certain, however, that many of the most important and beneficial changes originated in the Bureau.

The Hon. Frank Cochrane, Minister of Mines, the Deputy Minister, Mr. Thomas W. Gibson, and the Provincial Geologist, Dr. Willet G. Miller, have worked not only honestly and fearlessly, but most effectively, to secure a clean administration, to correct abuses, and to gain for Cobalt the proper kind of publicity.

The value of Mr. Gibson's labours is known to those who have transacted business with the Bureau. He has quietly and persistently performed the duties of his difficult position.

Dr. Miller's elucidation of the geology of the Cobalt District has attracted world-wide attention. Perhaps the most convincing illustration of the efficiency of the work of the Bureau was Dr. Miller's first report on the Cobalt District, which, accompanied by a remarkably accurate geological map of the area, was issued in time for the first rush of prospectors in the spring of 1905.

Deserving of special mention is Mr. Cyril W. Knight, Dr. Miller's assistant and coadjutor. Mr. Knight had much to do with the active delimitation and mapping out of geological horizons.


Lake Superior
COBALT DISTRICT
COBALT
TEMAGAMI
SAULT STE. MARIE
SUDBURY
NORTH BAY
QUEBEC
Georgian Bay
Lake Huron
Lake Michigan
WIS.
MICHIGAN
GRAVENHURST
OTTAWA
MONTREAL
QUEBEC
LEVIS
KINGSTON
CLAYTON
PORTLAND
TORONTO
STRATFORD
HAMILTON
Ontario
NIAGARA
ROCHESTER
MILWAUKEE
SARNIA
LONDON
BUFFALO
SYRACUSE
UTICA
ALBANY
NEW YORK
MASS
BOSTON
DETROIT
WINDSOR
CHICAGO
ILL.
Lake Erie
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COBALT, 1903.

THE TOWN OF COBALT.

In the Report of the Ontario Bureau of Mines, 1907 (Vol. XVI., Part II), Dr. Willet G. Miller gives the following brief introduction to his description of the Cobalt District:—

"What is known as the Archean protaxis, or that rugged, rocky region which stretches away from the St. Lawrence River, expanding to the northwestward, and occupying a large part of northern Ontario, has produced and is constantly producing, a group of what may be called unique, or at least comparatively rare, economic minerals. Probably as great a variety of minerals is produced in proportion to the number of inhabitants as is derived from any other country. Among these economic deposits are:—

"The nickel mines of Sudbury, which is one of the two important nickel producing localities of the world, with the by-products, platinum and palladium;

"The corundum deposits of north Hastings, south Renfrew and other areas in eastern Ontario, which now supplies by far the greater part of the corundum consumed in the world;

"The unsurpassed feldspar and mica deposits of Frontenac and adjoining counties, and the apatite, graphite, pyrite, talc, gold, copper, zinc, lead, fluorite and barite of the same district;

"The iron ranges, which extend over a great territory in northern and northwestern Ontario, but which, up to the present, have not been developed to a great extent.

"In addition to these, it may be said that a few years ago north Hastings possessed the only arsenic plant in North America. More recently the auriferous-arsenic ores of Temagami were made known, and lastly, a discovery has been made of the series of cobalt-nickel arsenides and silver, which are unique, so far as known, on this continent, and are parallelled only in Saxony and adjacent regions of Continental Europe.

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". . . These ore bodies which carry values in silver, cobalt, nickel and arsenic, were discovered during the building of the Temiskaming & Northern Ontario Railway. In fact, it may be said that the railway discovered the deposits, as it runs almost over the top of what is probably the most important vein yet found. The finding of such rich ore within so short a distance of the shore of Lake Temiskaming, a stretch of water which has been a well-travelled route to the north by white men for 200 years or more, and the deposits being only about four miles from the town of Haileybury, show the possibilities there are for the discovery of important mineral-bearing areas in the vast hinterland of Ontario, much of which is little known. The first of these ore bodies to be worked lies within half a mile of what is now known as Cobalt Station, distant by rail 103 miles from North Bay Junction on the transcontinental line of the Canadian Pacific, and 330 miles almost north of the city of Toronto. . . . Some of these veins in the vicinity of Cobalt Station were apparently noticed by the men employed in railway construction in the spring of 1903, but, there being no miners or prospectors among them, little interest was aroused and nothing was heard of the discovery by prospectors till October of the same year. At that time Mr. T. W. Gibson, Director of the Bureau of Mines, then in that part of the province, was given a sample of niccolite, which the donor thought was copper ore, the color of this mineral being like that of copper, as the German name, kupfernickel, indicates. Mr. Gibson, however, recognized the value of the sample and forwarded it to the writer, who was then in the eastern part of the province, and asked him to make a report on the occurrence as soon as possible. The writer, although he knew the specimen represented high-class ore, hardly expected to find ore of the character and in the quantity which he saw on his arrival."

At the time of Dr. Miller's arrival at Long Lake (now Cobalt Lake) in November, 1903, McKinley and Darragh, Fred La Rose and Tom Hebert had made discoveries and located mining claims. The first application made for this district was dated August 14th, 1903. The applicants, J. H. McKinley and Ernest F. Darragh, asked for a "mining location, lease, or license, on unsurveyed territory situated about 600 feet southeasterly from the ninth mile between Stations 54 and 64 south from New Liskeard, of the Temiskaming & Northern Ontario Railway line, as located and graded." McKinley and Darragh were at that time sub-contractors, furnishing ties for the construction of the T. & N. O. R. They had been for years on a more or less constant look-out for minerals. Ernest Darragh's first discovery was a piece of very much weathered float found near the cove at the south end of Cobalt Lake. Mr. McKinley, in a letter describing to a friend his early prospecting at Cobalt, said:

> "We travelled on, and in rounding the southeast end of Long Lake our attention was attracted by the strange colour of the ground surface not far from the beach. We immediately got down to business, picking up the loose pieces of rock, the unusually heavy weight of which meant something. In washing some of the gravel in the lake, there were the flakes or leaves of a bright metal, which we could bend. I immediately thought of the advice of the old forty-niner, and placed a piece between my teeth, and I succeeded in marking it very easily."

The partners immediately staked the claim, and proceeding to Ottawa, laid the proposition before Mr. Anderson, secretary to Mr. J. R. Booth, who owned the timber limit on which the claim was located. Mr. Anderson was not enthusi-

astic, but promised his assistance. Mr. Booth's consent was obtained and an application made out and sent to the Bureau of Mines, Toronto. McKinley took some of the samples to an assay office at Ottawa, and was informed that the assay showed bismuth, but no silver. Packing up the balance of the ore, he sent it to McGill University, whence in turn, it was sent to Dr. Milton Hersey. In a few days he was told that the ore contained 4,000 ounces of silver to the ton.

McKinley and Darragh decided to wait until spring before doing any further work on the property. Early in 1904 they purchased a small outfit and began prospecting the claim. Later they sold an interest in the property, and in April, 1906, the McKinley-Darragh-Savage Mines of Cobalt, Limited, with a capital of $2,500,000, was incorporated.

The second application, made by Fred La Rose, was dated Haileybury, September 29th, 1903. It reached the Department of Crown Lands on October 5th. The application affirms that Fred La Rose did on September 15th, 1903, discover valuable ore mineral on a location south of the Township of Bucke, described as "opposite Station 113 on the T. & N. O. R., about 1,300 feet from Long Lake." Mistaking niccolite for copper ore, he specified "copper" as his valuable discovery. In answering La Rose's application, the Department requested a sketch map of the property. Just here the following extracts from newspaper interviews with La Rose are of interest:—

Interview with Fred La Rose:—

> "So when I came up to Cobalt I go out whenever I have spare time and prospect. I was sharpening steel and shoeing the horses and mending the skips when they broke. There was not much spare time. It was all bush, all bush then, and there is a fine house where my little shack was. One evening I found a 'float,' a piece as big as my hand, very heavy and with little sharp points all over it. I say nothing, but come back, and the next night I take a pick and look for the vein. The second evening I found it; you can see it on the side of the hill now. Then I go to the boss, Duncan McMartin, and I say, 'Boss, I have a good thing; come with me.' I say, 'You give me good show.' He says, 'Pull a gun on me if I don't.' Then I show him the vein and we stake out two claims, one in his name, another in mine. We had half share in each. I used to work away at the vein in my spare time.
>
> "When I had a hole down I would put in a shot and the cobalt bloom and silver would fly. Then Professor Miller he came and said it was silver. I sold my half claims for $25,000. Henry Timmins, he hear of the find at Mattawa and he come to me one night in Hull and we make the deal. I came back to camp and work on the La Rose Extension prospecting. Then I go back to Hull."

Later, Messrs. Henry and Noah Timmins, R. A. Dunlop, and John and Duncan McMartin bought out La Rose, and organized the La Rose Mines, Limited, incorporated February 21st, 1907, a close corporation until the La Rose Consolidated Mines Company was organized in 1908.

The third discovery was made by Tom Hebert, who, on October 21st, located the first vein on the property now owned by the Nipissing Mining Company. On October 22nd, assisted by Messrs. Arthur Ferland, of Haileybury, and R. A. Galbraith, an engineer on the T. & N. O. R., Hebert staked his discovery.

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A few days later Hebert discovered the vein now known as the "Little Silver," one of the important producing veins on the Nipissing property. Hebert's interest was purchased by Messrs. Arthur Ferland, R. A. Galbraith, W. C. Chambers, and W. B. and R. R. Russell, who later sold all their holdings, aggregating 846 acres to Mr. E. P. Earle, of New York. Mr. Earle, in conjunction with other New York capitalists, organized the Nipissing Mining Company, incorporated on December 16th, 1904, with a nominal capital of $250,000.

The first discovery on the O'Brien was made in November, 1903, by Neil King, who was employed on the construction work of the T. & N. O. R. King made his find about where the main shaft-house now stands, and staked a full 160 acres. He submitted his find to Mr. J. B. O'Brian, a Toronto lawyer, who laid the matter before Mr. M. J. O'Brien, of Renfrew, Ont. Nothing was done on the property until May, 1905, when Mr. M. T. Culbert was sent up to take charge of the property. Within a few weeks a car of ore was shipped, which netted over $65,000. After that, shipments were stopped by litigation over the title until January, 1907, when a compromise with the Ontario Government was reached whereby the O'Brien people agreed to pay the Ontario Government a royalty of 25 per cent. of the gross value of the ore produced, the Government paying 25 per cent. of the aboveground charges.

Shortly after the La Rose application, and before Hebert made his first discovery, Mr. T. W. Gibson, the Director of the Ontario Bureau of Mines, visited Haileybury on business of the Bureau, and was shown by Arthur Ferland a specimen of niccolite from the La Rose discovery. Mr. Gibson identified the mineral as niccolite, and on his return to Toronto forwarded the specimens to Dr. Miller, with the following letter:—

"Bureau of Mines, Toronto, Oct. 26th, 1903.

"I am enclosing herewith a fragment of a larger sample of what I take to be kupfer-nickel found along the line of the Temiskaming & Northern Ontario Railroad. The locality of the deposit is in the unsurveyed territory immediately south of the Township of Bucke. I have not learned anything as to the extent of the discovery, but if the deposit is of any considerable size, it will be a valuable one on account of the high percentage of nickel which this mineral contains. I think it will be almost worth your while to pay a visit to the locality of the discovery before navigation closes. I am under the impression that the find was made while making the cutting for the railway. Mr. Ferland, of Haileybury, showed me a sample of the mineral when I was there, but he did not appear to recognize it or know its value, deeming it a compound of copper. It would be rather remarkable should our nickel deposits turn out to have a wider range than has hitherto been supposed, and especially if the new outcrop should be a large one containing ore of so high a grade."

Dr. Miller's first visit was the result of this communication. No important developments took place during the following winter.

1904.

At the annual meeting of the Canadian Mining Institute for 1904, held at the King Edward Hotel, in March of that year, Dr. Miller exhibited a collection of Cobalt ores. Dr. Miller's description of the new discoveries and the wonderful richness of the ore specimens attracted little more than scien-

tific interest. The principal factor in attracting outside interest in the new silver field was Mr. W. G. Tretheway's discovery of the Tretheway and "Coniagas properties, which is perhaps better told in his own words:

"In the fall of 1903 I became acquainted with Dr. Hersey, City Analyst of Montreal, after I had settled all outstanding business matters in connection with the real estate business I had at Edmonton. I have always been a mining man, and Dr. Hersey and I used to look over the samples he had in his office I was figuring on going out west when the Doctor said to me: 'By the way, they have found something up in the Nipissing country which is very promising,' and he showed me some conglomerate rock and some specimens of metallic silver. While metallic silver had never amounted to much in Ontario, I determined to visit Cobalt as soon as the snow was out. I came to Toronto, saw the department, got my license and equipped myself for prospecting. I left Toronto on May 6, 1904. At that time one had to go to North Bay by the Grand Trunk, then on the C. P. R. to Mattawa, and by the short line to Temiskaming. From Temiskaming one had to get to Haileybury by the Lumsden steamers. From Haileybury we had to walk over a muddy trail about five miles to the new camp. No one at that time appeared to be very much impressed, even the fellows who made the discoveries not being at all excited, although the silver was looking them in the face. I visited the Little Silver vein, from which half a million dollars in ore has been taken, and there was at least $200,000 sitting up there and looking at them right on the surface of the vein. But they were sitting back and doing nothing.

"My idea was to buy something in the camp, but I discovered that no one was prepared to sell. I went back to Haileybury and hired a man there and came right back, pitched camp on what is now O'Brien property, and started to prospect. Alec Longwell, who was up there for Mr. Leonard, shared my tent with me. I was prospecting just two days. On the second day I went out to Pickerel Lake, where Longwell thought there was something good, but found nothing, and came back to camp at 1 o'clock. About 4 o'clock I thought I would finish up the day, and I struck out in a northerly direction, to a section to which no one had paid any attention at all. The impression at that time was that the valley along which the T. & N. O. ran divided the mineral area from that which contained no silver, as all the discoveries so far had been made on the east side of the divide.

"I walked almost straight to the old Trethewey mine. I passed over several ridges until I struck one where the rock looked good, and I followed it south. As I walked along it I could see where the other fellows had torn away the moss. I came to a bluff where the point ran down into a swamp. I had to wade into the water to get round its western face. I could not see the face of the cliff until I had got out about twenty feet, when I saw a black streak on its face and I knew it was a silver vein. My first anxiety was to see if anyone had been there before me, but after a careful examination I concluded that it was a virgin discovery. I had no axe with me, and there were fellows down at camp who would have made a wild rush up there if they had known, and I might have lost my mine. So I hid it as well as I could by throwing sticks and moss over the rock where I had chipped it, and I came down to my tent and quietly had my tea. I did not know how to get away from the camp without the others following me, so I said to my man, 'Give me my axe, I am going to chop a tree down.'

"I started out with my axe on my shoulder slowly enough until I got out of sight of the camp, and then I only hit the ground at the high places. I

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squared a post, put the number of my license and my name o nit, and planted it firmly over the discovery. And I made a witness tree. Then I started along the bluff a little farther and discovered the Coniagas mine. I knew by the indications that there was a vein, but it was dark and I was afraid of getting caught in the woods. I saw Prof. Miller that night and told him I had made a find and asked him to say nothing. He and his assistant, Cyril Knight, visited the property with me next morning, and we examined it thoroughly to see if there were any signs of prior discovery. But there was nothing. Alec. Longwell helped me to stake out the two claims.

"I put in the first little steam plant that went into Cobalt, and then the dynamo for electric light. We shipped the second car of ore that ever came out of the camp, on October 1, 1904. I sold out in the fall of 1906, having at that time taken out $600,000 in ore."

On receipt from the Department of assurances that his title was valid, Mr. Tretheway put a small gang of men at work stripping and open-cutting. Two months later the first shipment was made netting a profit of $34,000. From an open cut about fifty feet long and twenty-five feet deep Tretheway took out of the Tretheway vein approximately $208,000 worth of ore. In no place was the vein more than eight inches wide. Trethewey's discoveries dissipated the impression that the previously located deposits were isolated freaks. The news of the extensions of the proven area of enrichment at once attracted attention and greatly stimulated prospecting.

Shortly after the Tretheway find, Alexander Longwell, now vice-president of the Coniagas Mines, Limited, located the Buffalo Mine. Mr. Longwell, who was associated with Mr. R. W. Leonard, had assisted Tretheway in staking the Coniagas and Trethewey properties. In the southwest corner of the forty acres, now the Buffalo mine, Mr. Longwell uncovered a smaltite vein and made application for the claim. Little work was done on the property until the spring of 1906, when the Buffalo Mining Company was organized by Charles L. Dennison of New York.

The University, Drummond, Jacobs (Kerr Lake), Nova Scotia, and Lawson discoveries were all made in the autumn of 1904.

Messrs. W. J. Blair, H. L. Kerr, and George Glendinning, graduate of the University of Toronto, found a vein of smaltite and silver near the shore of Giroux Lake. This was the beginning of the University Mine. The property covers 43 acres, directly north of the lake and L. B. 8, and includes 13 acres of the bed of Giroux Lake. About the same time M. P. and N. C. Wright, who were prospecting in the Kerr Lake region, made discoveries and staked the Jacobs (Kerr Lake) and Drummond properties.

N. C. Wright, who was then a resident of Haileybury, found the first vein on the Jacobs, the first discovery of silver in the Kerr Lake district. Some time before the discovery he had written his brother, M. P. Wright, who was employed by the Drummonds, to come to Cobalt. Together they prospected the district in the vicinity of Kerr Lake, and located two of the important producers of the district. The Kerr Lake Mine was sold to Mr. J. A. Jacobs, of Montreal, for $36,000. The first car of ore shipped from the Kerr Lake Mine netted more than the purchase price.

The Drummond Mine is now owned and operated by a close corporation, the Drummond Mines, Limited.

In the fall of 1904 Murdoch McLeod, J. McLeod, James Crawford, and Thomas Crawford organized a syndicate to prospect. Thomas Crawford advanced the money, and the others did the field work. On September 16th

McLeod found silver on the Lawson property, and staked and applied for the claim. Shortly afterward the famous Lawson vein was uncovered. Legal complications ensued, and the property lay idle until the summer of 1908, when it was taken over by the La Rose Consolidated Mines Company.

On October 19th, Mr. J. B. Woodworth, who, with B. Gladwin and W. H. Gates, was prospecting near Peterson Lake, found the Nova Scotia vein.

Later, Messrs. P. D. Ross and Wm. Southam purchased an interest in this property, and in 1906 the mine was sold to New York capitalists.

One important event of 1904 must not be overlooked. In compliance with the request of Mr. William Hutchinson, Dominion Exhibition Commissioner, the Director of the Bureau of Mines made arrangements for securing a collection of Cobalt ore for exhibition at the Louisiana Purchase Exposition, held at St. Louis in 1904.

Up to June 30th, 1905, the Trethewey, La Rose, McKinley and Darragh, Cobalt Hill and Little Silver (the two last afterwards absorbed in the Nipissing) were the chief shippers.

The shipment for 1904 amounted to 158 tons, valued at $136,218, an average of $862 a ton.

Shortly after the Nipissing properties were staked, the Temiskaming & Hudson Bay Company sent prospectors into the Cobalt field.

This company, organized in June, 1903, by Adam Burwash, George Taylor, and a number of New Liskeard merchants had been prospecting in the north country. Claims had been taken up in Boston Township, and at Larder Lake, but no important discoveries had been made. Reports of rich silver deposits at Cobalt reached the offices of the company, and prospectors were called in from Grassy Lake and sent to the new district. A total of three hundred and sixty acres of ground was staked by men employed by this company. The first discovery, made on the lot now owned by the Silver Queen Company was worked for about a year. Two cars of ore were shipped in the fall of 1905, from the proceeds of which a dividend of $2.00 per share was paid to the 7,460 stockholders. In October, 1906, Cobalt Consolidated Mines, Limited, purchased this property from the T. & H. B. Company for the sum of $810,000. The Temiskaming & Hudson Bay Company has paid a total of $1,194,894.00 in dividends, or 15400 per cent. on the issued capital.

Mr. Clement Foster was one of the first outsiders to prospect in the Cobalt district. In the winter of 1903-4, attracted to the new camp by articles written by Dr. Miller, Mr. Foster went up to Haileybury over the ice. During 1904 he prospected without success, and was about to abandon his efforts, when in the spring of 1905 his father, Mr. A. Foster, came up to Cobalt to investigate the situation. In May, 1905, Mr. Foster, Sr., discovered the vein upon which the Foster mine was staked; later the property was sold for a very large sum.

Until the spring of 1905 very little attention was given the new silver fields, and not more than thirty or forty men were engaged in prospecting. During the winter Tretheway made his first shipment, and in the spring, attracted by the published reports of the results he obtained for his first car of ore, prospectors began to come into the district. The real boom was started in August, 1906, by the Nipissing excitement.

The Town of Cobalt.

Cobalt owes its name to Dr. Willot G. Miller. In June, 1904, fearing the name "Long Lake," which had been in use for the construction camp, would be retained for the station which it had been decided to place at this point.

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Dr. Miller put up a post near the shore of the lake, on which he wrote on a piece of board nailed to the post: "COBALT STATION, T. & N. O. RAILWAY."

That the name was quickly adopted is shown by the registers of the Haileybury hotels, where a few days later employees of the railroad registered from "Cobalt."

Shortly afterwards, at Dr. Miller's suggestion, the name was adopted by the Railway Commission, and Cobalt started in to make mining history

By the end of 1904, the Temiskaming & Northern Ontario Railway was running regular trains into Cobalt

In August 1905, the Railway Commission sold at auction the first block of lots. At that time a trail led up from the station through the present "Square" past the site of the Prospect Hotel, and dividing into several branches, to the Trethewey, Coniagas, Buffalo and other properties; there were no made roads or sidewalks and in wet weather the main section of the town was a picturesque mudhole.

To those who have followed the development of the town of Cobalt, it is interesting to note that at the first auction the surface rights on the Buffalo Trethewey, and Coniagas were offered, and that W. J. Tretheway publicly protested against the sale. Later, a second auction not proving successful, the Commission sold the remaining lots by private sale to H. H. Lang, and sold to the Coniagas, Trethewey and Buffalo Mines, the surface rights of their properties.

In December, 1906, the town of Cobalt was incorporated, and P. J. Finlan elected Mayor. Mr. Finlan served for one term, and was followed by Mr. H. H. Lang, who had been a member of the first council

That Mr. Lang's untiring efforts in his administration of the affairs of the town have been appreciated is shown by his re-election in 1908, and again in 1909. In five years the town of Cobalt has been developed from a straggling collection of tents, log cabins, and huts, without streets, lights, water or sewers, to a flourishing town of 6,000 people, with well-built houses, stores and office buildings.

The Township of Coleman expended $30,000 last summer on roads to connect the outlying mines with the town. In the town itself good streets and sidewalks have superseded trails, a modern electric lighting system has been installed, and a water and sewer system, involving the expenditure of approximately $100,000, is well under way. While Cobalt will never become a beautiful or even an attractive-looking city, it has gradually developed into a town as active, as well organized and as well governed as any municipality in the Province of Ontario.

The Geology of the Cobalt Area.

(A complete and interesting description of the geology and ore deposits of the Cobalt district may be found in the report of Dr. Willot G. Miller, Provincial Geologist of Ontario, in "The Report of the Bureau of Mines, 1907, Part II.")

There are three series of rocks of economic importance in the Cobalt district: The Keewatin and Huronian (age names, that is, names applied to a group of rocks of a given geological period), and the diabase which has intruded into both formations in the form of dykes and sills. The diabase is probably the source of the mineral enrichment of the veins in the Cobalt district.

The Keewatin.

The oldest of the three series is an igneous complex, so called because it is made up of rocks of different characteristics, representing different periods of geologic history. Its components are greenstones, slates, and other altered rocks.

The Huronian.

After the Keewatin period great intrusions of gra[illegible] occurred. Following the intrusion of granite was a long period of erosion, which deep valleys were worn in the surface. Gradually these valleys were filled with fragments of Keewatin, granite, and other material which, in the form of gravel, sand and clay laid down by the agency of water on the uneven surface, in due course consolidated into the conglomerates and slate known to-day as the type-rocks of the Huronian.

The Diabase.

This is an eruptive rock which intruded the older measures, and, in many places, spread out in nearly horizontal layers or sills between the Keewatin and the Huronian.

This accounts for the masses of Keewatin which are exposed overlying the diabase in the vicinity of the Nova Scotia, King Edward, Silver Cliff and other mines in the Cobalt district.

Vein Formation.

The contraction of the sills and sheets of diabase while cooling, and the resultant settling of the older rocks, caused cracks and fissures not only in the diabase but in the Huronian and Keewatin also. The vapours and waters, forced to the surface by the diabase intrusion, carried with them in solution compounds of cobalt, nickel, arsenic, and other minerals, which, with calcite (carbonate of lime) form the ore deposits of to-day.

It seems probable that the silver was deposited towards the end of the vein formation, or after the other minerals had formed in the veins.

Glacial action undoubtedly removed a considerable percentage from the veins of this district, and it is probable that the extraordinary richness of some

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of the veins is the result of a secondary concentration of values from the eroded portions.

While the veins of the Cobalt district are narrow compared with those of the average silver mining camp, mining in Cobalt has been exceedingly profitable from the "grass-roots" down, owing to the high percentage of native silver and to the fact that the silver enrichment is not confined to the vein proper, but often impregnates the country rock for several feet on each side of the vein.

Non Productive Veins.

It may be well to call attention to the fact that a calcite vein, or even a vein of smaltite (diarsenide of cobalt) or niccolite (arsenide of nickel) does not necessarily indicate silver enrichment. A calcite vein is simply a crack or fissure filled with carbonate of lime, which was probably leached out of the Keewatin or the fragments of Keewatin in the conglomerate. Cobalt bloom found in a calcite vein merely indicates the presence in that vein of more or less cobalt; and a very small amount of cobalt will, under favourable conditions make a large amount of bloom. The presence of smaltite or niccolite shows that the vein was mineralized by cobalt or nickel arsenides, which were deposited by the impure waters following the diabase eruption. While these veins in the productive area of the Cobalt district generally carry silver, they do not necessarily do so. A calcite vein, or a vein of smaltite or niccolite and calcite, may be absolutely barren of silver values. As mentioned above there is little doubt that the silver deposition was secondary to that of the calcite cobalt, nickel, and arsenic, and therefore, a vein of any or all of these minerals, which was not affected by the secondary action, does not carry silver values.

The Productive Area.

Of the ten square miles, which may be considered the productive area of the Cobalt district, approximately, twenty-five per cent. is Huronian, forty-five per cent. diabase, and thirty per cent. Keewatin.

No property in the Cobalt area has yet been thoroughly prospected. New and important discoveries are constantly being made on the surface, and underground development work is resulting in the discovery of "blind veins," which do not extend to the surface.

The area of proven silver enrichment is gradually being enlarged by new finds. Within the past three months important finds in the south-east Coleman section, in the Gillies Limit to the south, and on the North Cobalt property to the north, have stimulated prospecting on undeveloped properties, and have added materially to the known area of silver mineralization.

Veins in the Huronian.

The depth of the Huronian varies considerably, owing to irregular erosion and to the fact that it was laid down on the uneven surface of the Keewatin, filling old valleys in this formation. The Huronian rocks being more readily fractured, by far the greater number of veins have been found in this formation, and a large percentage of the ore produced has come from Huronian conglomerate and slate. Experience has shown that a productive vein in the Huronian generally carries values to the depth of this formation, and that veins in the Huronian usually lose their values when the underlying Keewatin is reached. There are, however, some exceptions to this rule. Vein No. 3 on

the La Rose mine, which, on the surface, is one of the most spectacular showings in the Huronian formation, carries its values, without loss, into the underlying Keewatin. The main vein in the Crown Reserve, which is in the Huronian slate at the depth of 166 feet passes into the Keewatin. At the 200 foot level the ore body, while not so wide as at the 100 foot level, is exceedingly rich in silver.

Veins in the Keewatin.

With the exception of ore from the Temiskaming, the Beaver, vein No. 26 in the Nipissing and No. 2 in the O'Brien, the Keewatin has added little to the production of the district.

From the Temiskaming mine, which is wholly in the Keewatin formation rich ore is being produced at the 300 foot level. The Beaver Mine in the same district has recently become an important producer. Vein No. 26 on the Nipissing has produced over $1,000,000, and at the 186-foot level is still in rich ore. Recent discoveries of rich outcropping veins in the Keewatin, on the Nova Scotia, Lawson, Nipissing, and some properties in the Gillies Limit, have attracted renewed attention to this formation.

Veins in the Diabase.

While few ore bodies of great importance have been found in the diabase, one of the most productive veins in the district is No. 3 on the Kerr Lake property. From this vein 1000 ounce ore is being produced at a depth of 360 feet in the diabase, the deepest workings in the Cobalt district.

The ore bodies at the Nova Scotia were, until the recent finds in the Keewatin, all in the diabase, as are also the productive veins at the Watts Mine of the King Edward Company, the Silver Cliff Mine, and the Big Pete Mine of the Cobalt Central. In the latter mines the silver is largely in the country rock, which is often shot for several feet on each side of the vein with the native metal.

Classification of Ores.

The silver production in the Cobalt district does not, by any means, depend entirely on the rich narrow veins. The areas of silver enrichment are traversed by fissures or vertical planes in which are narrow veins of exceedingly rich ore. These veins have been subjected to great pressure and repeated movements which have caused innumerable small cracks at right angles or sometimes parallel to the main fissure. The original fissure may be in places a small tight seam, while the silver solutions are found to have enriched the small cracks that radiate out for several feet on each side of the vein.

In mining the high-grade ore large quantities of material, in addition to the actual vein, are extracted, which carry from a trace to over one hundred ounces in silver.

While each mine has its own system of classification, for general purposes the Cobalt ores may be classed as follows:

No. 1—High-grade shipping ore.

No. 2—Low-grade shipping ore.

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No. 3—Screenings from the picking tables which are sometimes of shipping grade.

No. 4—Ore of a grade too low to ship. Milling or concentrating ore.

As there is a loss of from ten per cent. to twenty per cent. in concentration, it is evident that considerable care may be profitably taken in keeping the high-grade ore separated from the muck underground, and in hand picking the ore in the ore house.

All the mines have adopted some method of hand picking, from the simple bench with hose to wash the ore, to ingenious bumping-tables, with screens and perforated pipes with running water.

The high-grade ore is bagged in the ore house, and shipped direct to the smelter.

The screenings from the picking table, which run over 100 ounces, are generally shipped, although improved mill practice has recently indicated the advisability of concentrating any ore running under 125 ounces.

The values in the No. 4 class, discards from the picking tables, consist chiefly of native silver in leaf or flakes, and the associated sulph-arsenides or sulphides of silver, with occasional small stringers or veinlets of smaltite and niccolite bearing varying amounts of silver.

The silver values in the wall rock are irregular and make a uniform low grade impossible, thereby adding considerably to the difficulty of concentration.

NORTHERN CUSTOMS CONCENTRATOR.

Concentration.

The object in concentrating the low grade is to reduce the bulk by separating, so far as possible, all the worthless wall-rock from the valuable ore, thus saving productive material.

Seven concentrating mills are in active operation, five more under construction, and one projected. When the mills under construction shall have been completed the total capacity of concentrators in the camp will be approximately 1,000 tons of mill-rock per day.

These mills will represent an investment of more than $1,000,000.00 -a practical demonstration of the faith of mine owners in the life of the camp.

The following table shows the mills in operation, under construction and projected:

In Operation.

	Daily Capacity.
Northern Customs Concentrators, Custom Mill	100 tons.
Nipissing Reduction Company	80 "
Buffalo	100 "
Coniagas (will be increased to 160)	80 "
O'Brien	125 "
McKinley-Darragh (will be increased to 120)	80 "
Cobalt Central	100 "
King Edward	30 "

Under Construction.

Colonial	30 tons.
Temiskaming	100 "
Nova Scotia	100 "
Trethewey	100 "
Silver Cliff	100 "

Projected.

T. & H. B.	75 tons.
	1,200 tons

The flow sheet on page 21 gives an illustration of the method of treatment adopted by the Northern Customs Concentrators, Limited, an independent company treating ores from nearby mines for a stated charge per ton.

The ore is delivered to the mill on 50-ton cars, dumped into a receiving bin and elevated to a No. 4 Gates crusher, where it is crushed to about one and one-half inch. From the crusher it is sent to rolls and further reduced to 3-4 inch. From the rolls this material is elevated to a Vezin Sampler, where ten per cent. is taken for a sample. The remainder goes through a trommel, which screens out the fines, sending them to a hydraulic classifier and the coarse or over-size to a 24-inch by 40-inch bull-jig, where the metallic particles are extracted and sent to ore bins for sacking and shipment. The tailings are sent to a battery of thirty-five 1250 lb. Californian stamps and two Nissen 1500 lb. circular mortar stamps and reduced to pulp (30-mesh).

The fines from the classified go direct to the tables and vanners, where the metallics are recovered and, after being dried, are sacked for shipment. The oversize of the classifier goes to the stamps and is reduced to 30-mesh.

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The pulp from the stamps is elevated to a Richard classifier and separated into two sizes, the spigot, or coarse sand, sent to Willfley tables; the overflow, or fines, to Frue vanners. The tables and vanners extract the loose particles of metallic silver and the heavy metallic minerals, with more or less rock attached. This product is dried and sacked for shipment. The overflow from the vanners is now re-classified, the fine slimes being run over canvas tables where the final extraction is made. The mill makes three classes of concentrates:

1. The jig-concentrates, which include small pieces of high-grade ore and heavy leaf silver. This class averages about 2,500 ozs. to the ton.

2. The table-concentrates, which run about 1,450 ozs.

3. The concentrates from the Frue vanners, averaging approximately 900 ozs.

The average assay of the ore treated is about 25 ounces. The concentrates average 1,000 ozs., or an average reduction in bulk of 44 to 1. The mill does not, of course, add to the silver values; but makes a practically pure metallic concentrate, extracting 85 to 95 per cent. of the metallics in the ore, and averaging an extraction of about 88 per cent. The following examples show the net results from concentrating two classes of ore.

Take, for example, milling-rock containing 25 ounces of silver to the ton. This is perhaps lower than the average, but as improved methods of grading and ore sorting are introduced, the average concentrating rock will run under, rather than over, 25 ounces. The Nipissing and La Rose mines, for instance, are keeping discards from the picking tables that assay under 15 ounces.

One hundred tons of milling rock, averaging 25 ounces in silver to the ton, contain 2,500 ounces. In concentration this will be reduced in bulk about 45 to 1, or, 100 tons of mill-rock will be concentrated to about two and a quarter tons of concentrates, containing the original 2,500 ounces of silver, less the loss of about 12 per cent. in concentration.

EXAMPLE NO. 1.

100 tons of 25 ounce milling ore.

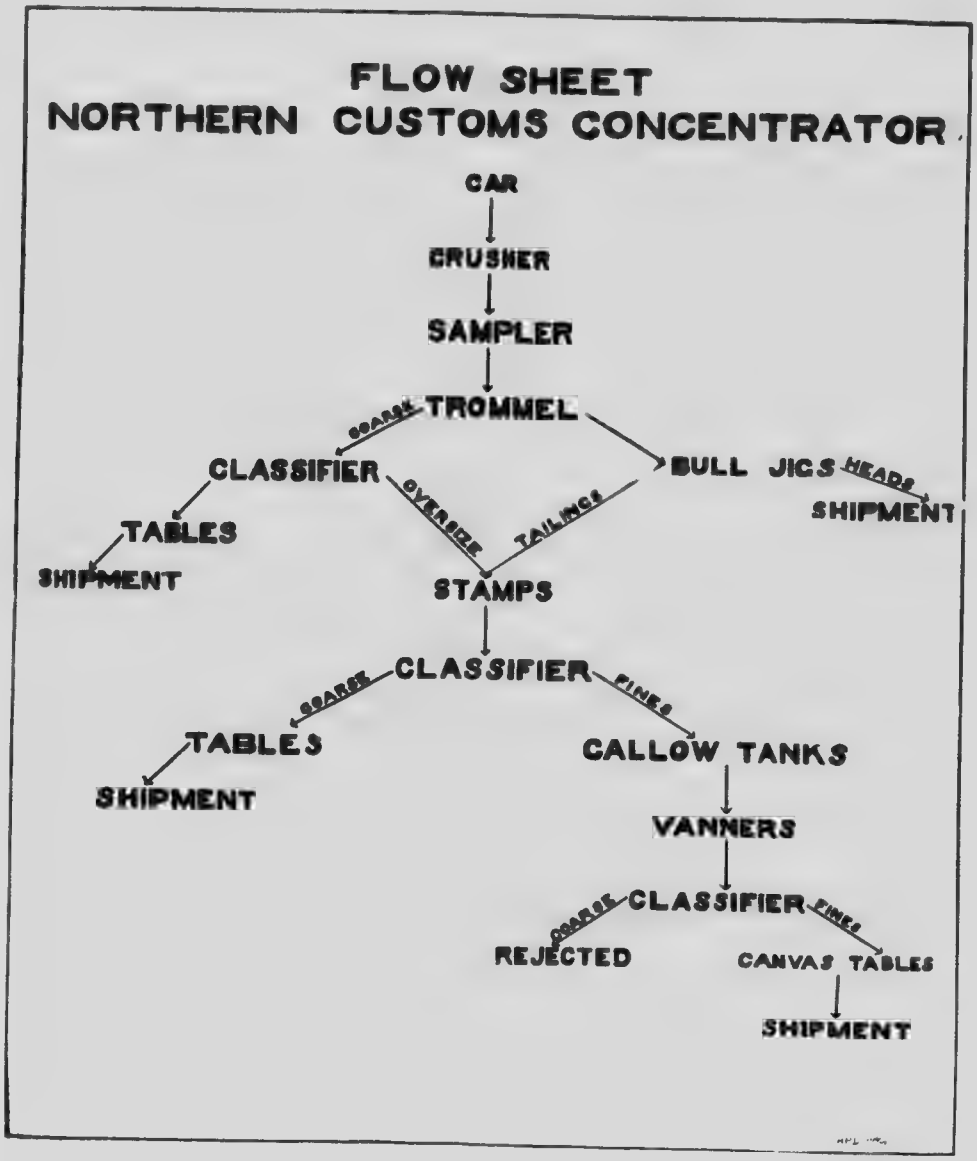
100 tons, 25 oz. ore	2,500 ozs.
After concentrating 2 1-4 tons concentrates	2,500 "
Less loss of 12 per cent. in concentrating	300 "
Result, 2 1-4 tons of 978 oz. concentrates	2,200 "
2,200 ozs. at 51 1-2c	$1,133.00
Less cost of concentrating 100 tons at $3.75 per ton	375.00
Value	$758.00

EXAMPLE NO. 2.

100 tons of 100 ounce milling ore.

100 tons 100 oz. ore	10,000 ozs.
After concentrating 2 1-4 tons concentrates	10,000 "
Less loss of 10 per cent. in concentrating	1,000 "
Result, 5 tons of 1800 oz. concentrates	9,000 "
9,000 ozs. at 51 1-2c.	$4,635
Less cost of concentrating 100 tons at $3.75 per ton	375
Value	$4,260

In example No. 1 we have 100 tons of 25 ounce ore reduced by concentration to 2 1-4 tons of 978-ounce concentrates containing $758.00 in silver values, at 51 1-2 cents per ounce.



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Smelting.

These concentrates are bagged at the mill., and sent to the smelter as high-grade ore. Using the schedule of the American Smelting and Refining Company as a basis, payment should be made for 94 per cent. of the silver contents less a treatment charge of $10.00 per ton plus one-half cent on each ounce of silver contained.

The freight rate would be $10.20 per ton.

EXAMPLE NO. 1.

2 1-4 tons of 978-oz. concentrates, 2,200 oz. value at mill		$758.00
Less 6 per cent. of 2,200 ozs. 132 ozs. at 51 1-2 c.	$67.90	
Less treatment charge of $10 per ton on 2 1-4 tons ..	22.50	
Less 1-2c on each oz. of silver contents	11.00	
Less freight at $10.20 per ton on 2 1-4 tons	22.90	124.30
Net profit on 100 tons		$633.70

No smelter will treat ore running as low as 25 ounces.

In example No. 2 a parcel of 100 tons of 100-oz. ore was reduced to 5 tons containing 9,000 ozs. of silver value at mill $4,260.00.

This ore would come under the same schedule.

EXAMPLE NO. 2.

5 tons of 1800 oz. concentrates, 9,000 oz. value		$4,260.00
Less 6 per cent. of 9,000 ozs., 540 ozs. at 51 1-2c.	$278.10	
Less treatment charge of $10 per ton on 2 1-4 tons ..	22.50	
Less 1-2c on each oz. of silver contained	45.00	
Less freight on 2 1-4 tons at $10.20 per ton	22.95	368.55
Net profit		$3,891.45

If this ore had been shipped direct to the smelter the marketing charges, including freight and smelter charges, would have been as follows:

Payment on this class of ore would be 95 per cent. of silver contents less a treatment charge of $7.00 per ton. As this class of ore, if treated by the American Smelting and Refining Co., would go to Denver, Colorado, the freight would be $11.20 per ton.

100 tons of 100 oz. ore, 10,000 oz. at 51 1-2c.....		$5,150.00
Less 5 per cent. of 10,000 oz., 500 oz. at 51 1-2c.....	$257.50	
Less $7 per ton treatment charges	700.00	
Less $11.20 per ton freight on 100 tons	1,120.00	2,077.50
		$3,072.50

These examples are approximate, as the rate of concentrating and smelting charges depends on the character of the ore and the terms made with the concentrators and smelters.

SMELTING AND MARKETING CHARGES.

The arsenical, cobalt, nickel, and silver ores of this district are very refractory owing to the high percentage of arsenic. The separation of the cobalt and nickel also requires a special plant. With the exception of a small amount of silver bullion melted down from nuggets all of the ore is shipped to outside smelters for reduction.

The principal buyers during 1909 were:

Buyers of High Grade Ore in Canada.

Canadian Copper Company Copper Cliff, Ont.
Deloro Mining & Reduction Co., Deloro, Ont.
Coniagas Reduction Co., of Canada, Thorold, Ont.

In the United States.

American Smelting & Refining Co., Perth Amboy, N.J.
Pennsylvania Smelting Co., Carnegie, Pa

In Europe.

Beer Sondheimer & Co., Hamburg, Germany.
Quirk, Barton & Co., London, England.

Buyers of Low Grade Ores.

American Smelting & Refining Co., Denver, Col.
Balbach Smelting & Refining Co., Newark, N.J.
United States Metals Refining Co., Chrome, N.J.
Consolidated Mining & Smelting Co., Trail, B.C.

MARKETING CHARGES.

The schedules on which payment is made for smelting vary with the character of the ore and the basis of payment adopted by each company.

Some of the companies make payment for all but a small percentage of the silver contents and make a high treatment charge, while others make a nominal treatment charge, or, in some cases, no charge for treatment and deduct a correspondingly high percentage of the silver recovered.

Roughly, the smelter deductions vary from 2% to 16% silver—the corresponding treatment charges from $200.00 to 0 per ton. The transportation ranges from $6.00 to $14.00 per ton. To this must be added the miscellaneous charges, including cost of assaying samples, expense of sending a representative with each shipment to the smelter, insurance on ore in transit, etc.

The following example is based on the schedule of one of the Canadian smelters:

EXAMPLES OF HIGH-GRADE.

No. 1.

Containing 3,000 ounces silver to the ton, 8 per cent. cobalt, 6 per cent. nickel, 40 per cent. arsenic.

Credits:

3,000 oz. of silver at 50c per oz.	$1,500.00
8 per cent. cobalt = 160 lbs. at 10c per lb.	16.00
Credit per ton	$1,516.00

Debits:		
Smelter deductions, 2% of 3,000 oz. = 60 oz. at 50c	$30.00	
Treatment charges	20.00	
Refining charge, 1½c per oz.	45.00	
Freight	9.60	
		104.60
		$1,411.40
Less miscellaneous charges		1.50
Net credit per ton		$1,409.90

The marketing charges on this shipment would amount to 6.9% of the gross value.

Example No. 2.

This same car, if sent to another smelter which makes a straight deduction of 5¼% of the silver contents and nothing for cobalt, would have netted:

Credit:		
3,000 oz. of silver at 50c per oz.		$1,500.00
Smelter deduction 5¼% of 3,000 oz. = 157.5 oz. at 50c	$78.75	
Freight	7.00	
		85.75
		$1,414.25
Less miscellaneous charges		1.50
Net credit per ton		$1,412.75

Example Low Grade.

Containing 200 oz. silver to the ton, 2 per cent. cobalt, 1 per cent. nickel, 8 per cent. arsenic.

Credits:		
200 oz. silver at 50c per oz.		$100.00
Debits:		
Smelter deduction 5% of 200 oz. = 10 oz. at 50c per oz.	5.00	
Treatment	7.00	
Freight	12.40	
Arsenic penalty 3% excess	.75	
		25.15
		$74.85
Miscellaneous charges		1.00
Net credit per ton		$73.85

The marketing charges on this shipment are 23.65% of the gross value of the silver contained.

*Arsenic in excess of 5% is penalized 25 cents for each point.

Mining Methods.

While the Cobalt nickel silver deposits of this district are in many respects unique, mining in Cobalt is comparatively simple. The surface is generally uneven with an overburden of soil averaging perhaps three or four feet in depth. Rock exposures are found on nearly all the properties.

After the perliminary examination of the rock exposure has been made the property is further prospected by surface trenching, i.e., cutting trenches in the overburden to bedrock. These trenches are made as narrow as possible, and are generally one hundred feet apart, although in some of the more thoroughly prospected areas the trenches have been run at fifty foot intervals.

As the veins are narrow, averaging 5 to 6 inches in width, and are often, when first encountered, merely small seams, every promising crack in the formation is carefully investigated.

As explained in a preceding chapter, pay ore shoots occur in only a small percentage of the veins. When a vein of calcite, or calcite and the cobalt or nickel arsenides, is encountered, a trench is made exposing the vein for the full length of the outcrop, or until a promising ore shoot is encountered. As soon as an ore shoot is located, a vertical shaft is sunk on the vein and levels driven at 50, 75 or 100 foot intervals. Drifts are driven on the vein at each level, and the vein matter is taken out by overhand stoping.

After drifts have been driven on the veins for a sufficient distance from the shaft to "block out" an ore body, a raise is made to the surface, or to the level above. The ore body is then taken out from the level of the drift upward. As a free passageway for men and ore cars must be maintained, a row of stulls and rough platforms of timber and plank is put up over the drift, about 7 to 10 feet above the floor.

Before these timbers can be put in place a second section of the vein, 7 to 8 feet high, is taken out; the stull is then set in; the machine drills placed on the stull, and holes bored in the back of the stope. These holes are started at the raise and are bored in a nearly vertical direction, slightly inclined, so that the ore will break to the free face made by the raise. The succeeding rounds follow from the opening thus made until a complete section 4 to 5 feet high has been extracted from the entire back of the stope.

This is repeated, bench after bench being broken down, until the surface or the level above is reached. The broken rock is left in the stope, only sufficient being taken out to allow space for the men between the muck and the back of the stope. The ore is taken from the stope by chutes placed at intervals above the level.

After the block between the drift and level above has been broken the ore is extracted through the chutes and this section of the mine is abandoned.

This is by far the most economical method of extracting ore in the veins common to the Cobalt district and the one almost universally adopted if the mine is not pushed for ore.

The sketch map on the following page shows the underground workings of a Cobalt mine, and indicates the methods employed in developing and extracting the ore bodies.

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Estimating Ore Reserves.

Using the sketch plan, facing this page, as an illustration of the underground workings of a Cobalt mine, we will suppose that the first discovery was made in the face of the hill on the outcrop a-a. The tunnel b-b was driven into the hill at the adit level, on the vein, 165 feet in ore (ore shoots indicated by shaded lines), and continued for 30 feet in barren vein matter.

The ore body above the adit level was taken (stoped) out by over-hand stoping (stopes indicated by solid black).

Meanwhile the outcrop a-a' (ore shoot No. 2) had been located by surface trenching, a head frame and plant built and equipped, and the shaft b-b' sunk 235 feet in the vein.

This shaft was continuously in high grade ore for 75 feet, where a blank space was encountered, and for 15 feet the vein was barren of silver values. Shoot No. 3 encountered at 90 feet continued to the depth of 135 feet, when the formation changed and the values were cut off. The shaft was sunk an additional 10 feet, both for the purpose of prospecting and to provide a sump, or well, to collect the mine water. The main pump was connected with this sump.

The drifts c-c' and d-d' at the 100 ft. level, and e-e' and f-f' at the 200 ft. level, with the shaft and winzes, show that there are four ore shoots in the mine, including the original discovery.

The drift c-c is in ore for 15 feet, in barren ground for about 30 feet, strikes ore shoot No. 2 agin, and is in ore for 110 feet when shoot ends.

The drifts d-d and f-f, the main shaft and winze No. 2 have blocked out an ore body on four sides, the only ore body in the mine actually blocked out.

The value of the ore body may be estimated:—

First—By carefully measuring the width of the vein at intervals on all four faces exposed, and calculating the average width (say 6 inches).

Second—By taking samples at intervals along the four exposed faces, making accurate assays of samples taken, and arriving at the average ounces of silver per ton of ore (say 2,000 ozs.).

Third—By carefully weighing the ore taken from the vein, estimating the number of cubic feet per ton of ore (say 6½ cu. feet to the ton).

We know the length of the ore body to be 150 ft., the depth to be 100 ft.

In the block we have:—

Width of vein (estimated) 6 inches, or 0.5 of 1 foot.
Length of ore body, 150 feet.
Depth of ore body, 100 feet.
Number of cu. ft. to ton (estimated), 6.5 cu. ft.
Ounces of cu. ft. to ton of ore (estimated), 2,000 ozs. By multiplying the width of vein by the length of the block by the depth of the block we have the cubic feet of ore.

$$0.5' \times 150' \times 100' = 7{,}500 \text{ cubic feet.}$$

Dividing this by the number of cubic feet to the ton, we have $\frac{7{,}500}{6.5} = 1{,}153.84$ tons. Multiplying the tons by the ozs. of silver to the ton, we have: $1{,}153.84 \times 2{,}000 = 2{,}307{,}680$ ozs. At 50c per oz. we get $1,153,840, the gross value of the ore in place.

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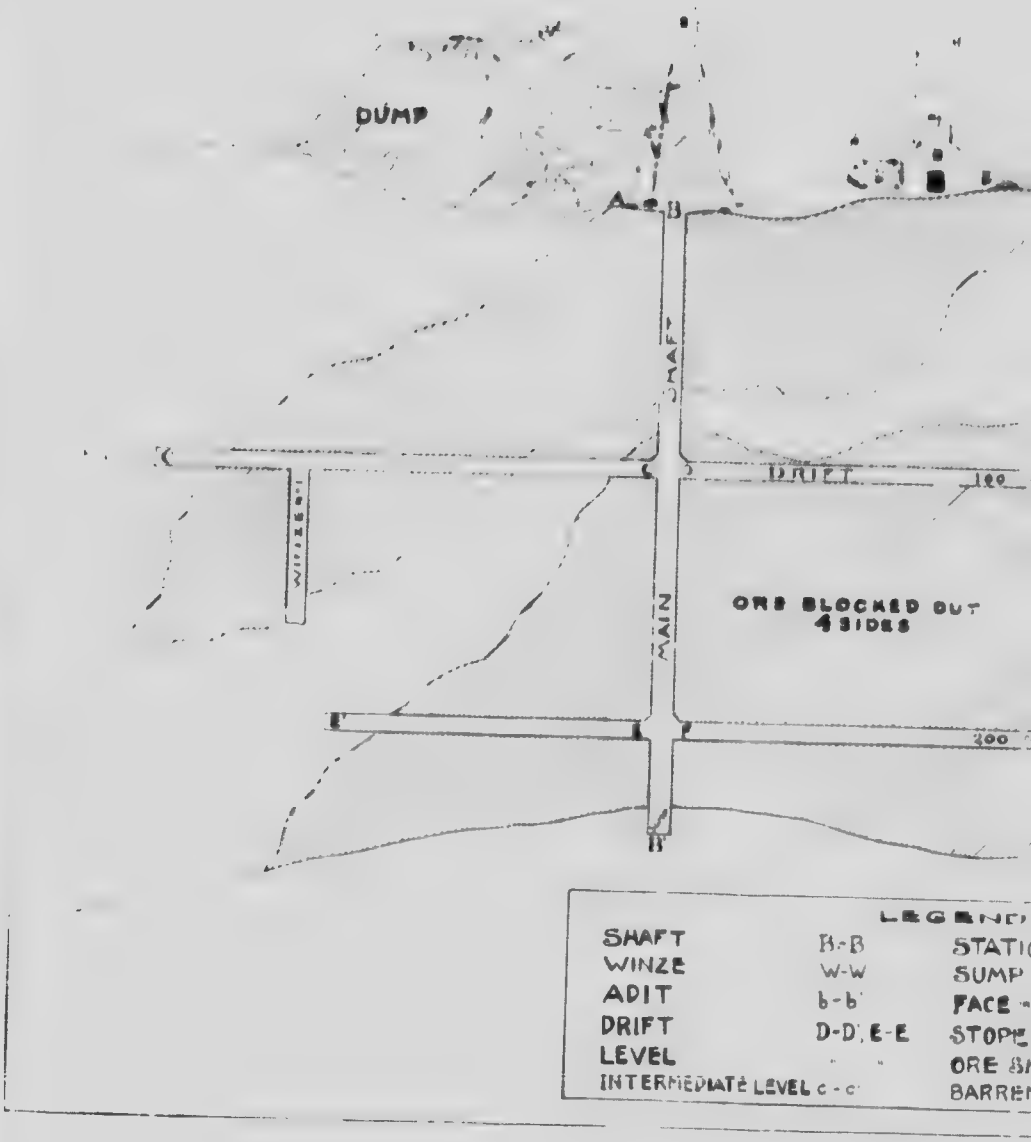
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WINZE W-W
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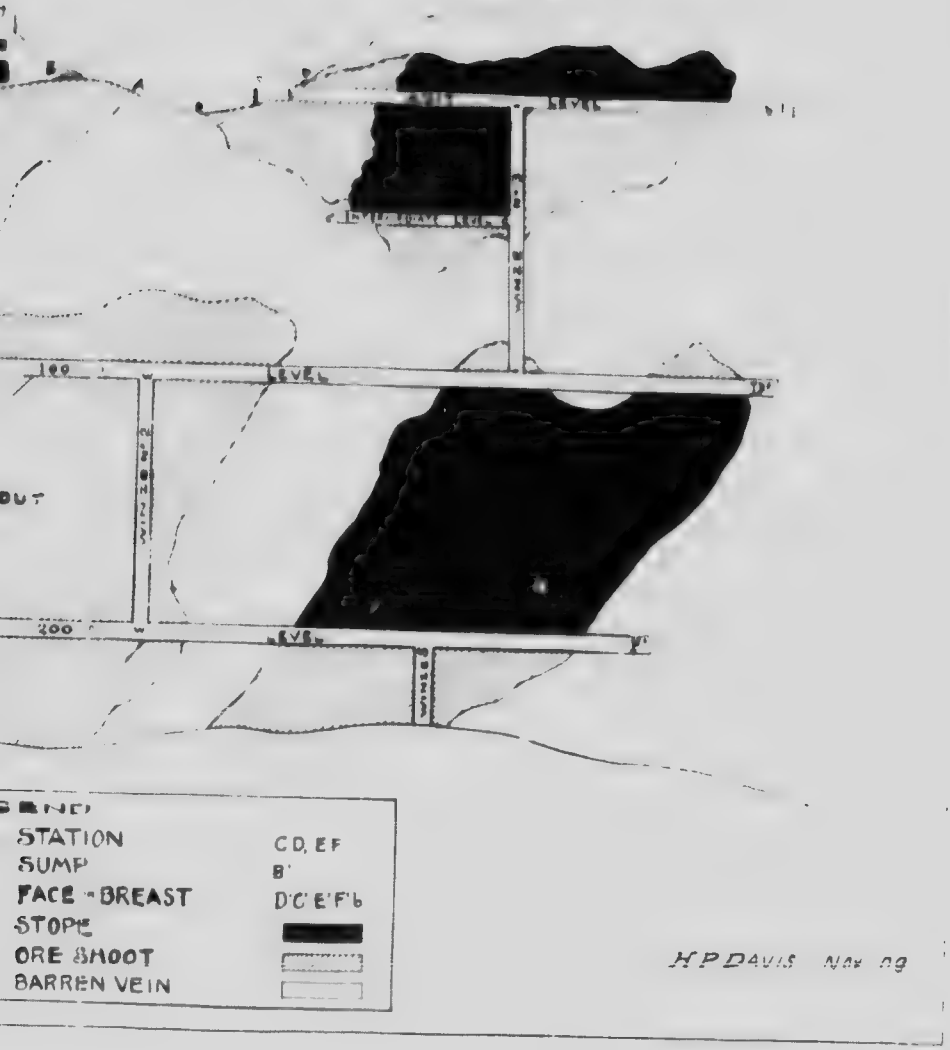
100
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FACE - BREAST D'C'E'F'b
STOPE
ORE SHOOT
BARREN VEIN
H P DAVIS MAY 09

The cost of extraction, marketing charges (freight and smelter charges) must be deducted from the total. In Cobalt these charges average about 20c per oz., or $161,536.00, the net value would be approximately $692,304.00, if all these estimates were correct.

It must be remembered that the samples taken represent at best only the value of the ore actually assayed, the extension of the values evenly through the block is an assumption only. It is safe to allow a margin for errors and for the erratic mineralization of the vein sampled.

In estimating the other ore bodies the only definite knowledge we have is gained from the development work actually done.

Ore shoot No. 2 is shown by the outcrop a-a', by the shaft b-b', the drift c and winze No. 2, to extend diagonally from the outcrop to the bottom of the winze. By measuring up the faces exposed, it is possible to arrive at an approximate estimate. Experience gained in working the mine is an additional factor in such estimates.

The ore body between the drifts d-d' and f-f', on ore shoot No. 4, has been stoped out.

It may be well to point out that a surface showing, no matter how rich, offers very little evidence upon which to base an estimate of ore reserves. It is impossible to even approximately guess at the productive value of a vein until underground development proves the depth of the ore shoot.

PRODUCTION OF THE COBALT MINES - 1904-1909

GIVING PRODUCTION OF NICKEL, COBALT, ARSENIC, SILVER, AND THE VALUE OF EACH

YEAR	Nº OF SHIPPERS	ORE SHIPPED TONS	NICKEL		COBALT		ARSENIC		SILVER		TOTAL VALUE	AVARAGE VALUE PER TON ALL MINERALS
			TONS	VALUE	TONS	VALUE	TONS	VALUE	OUNCES	VALUE		
1904	5	158	14	3.467	16	19.960	72	903	206.875	111.887	136.218	862
1905	13	2.144	75	10.000	118	100.000	549	2.693	2.451.356	1.360.503	1.473.196	687
1906	14	5.335	160		321	80.704	1440	15.858	5.401.766	3.667.551	3.764.113	705
1907	29	14.788	370	1.174	739	104.426	2958	40.104	10.023.311	6.155.341	6.301.095	426
1908	30	25.624	612		224	111.118	3672	40.373	19.437.875	9.133.378	9.284.869	362
TOTAL		48.049	1231	14.641	2418	416.208	8691	99.931	37.521.183	20.428.710	20.959.491	436

THE RETURNS ARE NOT COMPLETE; FOR COBALT, NICKEL, AND ARSENIC THE PRODUCTION IS ESTIMATED.

THE VALUES GIVEN ARE TAKEN FROM ACTUAL SMELTER RETURNS

MINERALS AND ORES OF T

	MINERAL	COMPOSITION	SYMBOL	
ELEMENTS	NATIVE SILVER		Ag.	
	NATIVE BISMUTH		Sb.	
	GRAPHITE		C	
ARSENIDES	NICCOLITE	ARSENIDE OF NICKEL	NiAs	
	CHLOANTHITE	DIARSENIDE OF NICKEL	$NiAs_2$	
	SMALTITE	" " COBALT	$CoAs_2$	
ARSENATES	ERYTHRITE	COBALT BLOOM	$Co_3As_2O_8 \cdot 8H_2O$	
	ANNABERGITE	NICKEL BLOOM	$Ni_3As_2O_8 \cdot 8H_2O$	
SULPHIDES	ARGENTITE	SULPHIDE OF SILVER	Ag_2S	
	MILLERITE	" " NICKEL	NiS	
	STROMEYERITE	" " COPPER-SILVER	Ag_2Cu_2S	
	ARGYROPYRITE	" " IRON-SILVER		
	MATILDITE	SULPHIDE OF BISMUTH & SILVER	$Ag_2Sb_2S_3$	
	BORNITE	" " COPPER-IRON	Cu_3FeS_3	
	CHALCOPYRITE	" " " "	$CuFeS_2$	
	GALENA	" " LEAD	PbS	
	IRON PYRITE	DI" " IRON	FeS_2	
SULPH-ARSENIDES	MISPICKEL	SULPH-ARSENIDE OF IRON	FeS_2FeAs_2	
	COBALTITE	" " COBALT	CoAsS	
	GLAUCODOT	" " COBALT-IRON	CoFeAsS	
	PROUSTITE	" " SILVER	Ag_3AsS_3	
ANTIMONIDES	DYSCRASITE	ANTIMONIDE OF SILVER	Ag_6Sb	3·
	BREITHAUPTITE	" " NICKEL	NiSb	5-
SULPH-ANTIMONIDES	TETRAHEDRITE	SULPHIDE OF ANTIMONY & COPPER	$4Cu_2SSb_2S_3$	3·4
	PYRARGYRITE	SULPHIDE OF ANTIMONY SILVER	Ag_3SbS_3	2-
	FREIBERGITE	SILVER TETRAHEDRITE		3·

OF THE COBALT DISTRICT

MBOL	HARD'S	SP. GRAV.	COLOR	STREAK
Ag	2·5-3	10·6	SILVER WHITE	WHITE
Sb.	2-2·5	9·7	SILVER WHITE REDDISH TINGE	DARK GRAY
C	1-2	2·2	IRON BLACK STEEL GRAY	IRON BLACK STEEL GRAY
As	5-5·5	7·3-7·6	COPPER RED	BROWNISH BLACK
As2	5·5-6	6·4-6·6	GREYISH-TIN WHITE	GRAY BLACK
As2	5·5-6	6·4	" "	GRAY BLACK
$Co_8 \cdot 8H_2O$	15-25	2·9	DELICATE PINK OR PEACH RED	PALE RED
$Ni_8 \cdot 8H_2O$	15-25	2·9	APPLE GREEN	PALE GREEN
2S	2	7·3	BLACK	GREYISH BLACK
S	3	5·6	YELLOW BRONZE	GREENISH BLACK
2S	2·5-	6·1	DARK GREY STEEL	BLACK
	4	6·5	STEEL GRAY	
2S3	2-3?	6·9	GRAY	GRAY
S3	3	5	PEACOCK COPPER	PALE BLACK
S2	3·5-4	4	BRASS YELLOW	GREENISH BLACK
S	2·5	7·5	BLUISH LEAD GREY	LEAD GREY
2	6	5	LIGHT BRASS YELLOW	GREENISH BLACK
As2	6	6	SILVER WHITE	GREYISH BLACK
S	5·5	66·3	TIN-GREY WHITE	" "
S	5	5·9	" "	BLACK
S3	2·5	5·6	BRIGHT RUBY RED	RED
b	3·5-4	9·4-98	SILVER WHITE	SILVER WHITE
	5-5·5	7·5	LIGHT RED TO PURPLE	
2S3	3·4-5	4·4-5·1	DARK GREYISH BLACK	GREYISH BLACK
S3	2·5	5·8	DARK RUBY RED	RED
	3-4	4·8	GRAY	BLACK

Minerals and Ores of Cobalt District.

SILVER.

Native silver is not at all a rare mineral. It is found in many mining camps in the United States, Mexico, Norway, South America and Australia. The deposits of the Cobalt District are, however, unparallelled in the history of mining for the unusually large percentage of this metal in its native state. The production of silver in the United States is largely a by-product from the copper, lead and gold ores.

The silver in the Cobalt area occurs intimately mixed with the vein matter, calcite or the compounds of nickel, cobalt and arsenic. The silver sulphides are quite common in this district, occurring in small quantities in a majority of the veins. The silver occurs principally, however, in the form of leaf (flakes or sheets) masses and wire. It is usually associated with antimony, and at times with bismuth. When exposed in outcrops the silver is tarnished black by the sulphur gases in the atmosphere. It is readily distinguished, however, by cutting; and its weight is characteristic.

While the silver output from the Cobalt District in 1908 was over 10 per cent. of the world's production, and possibly contributed to the drop in the price of metal, an analysis of the figures in the following table shows that it was at most only a contributing cause.

Total Production of Silver in Ounces, the average yearly price London and New York.

PERIOD FROM 1868 TO 1908

Year	World's Production, Fine Ounces	London Price Av.	N.Y. Av $
1868	*43,051,583	61½	1.326
1869	*43,051,583	60 7/16	1.325
1870	*43,051,583	60 9/16	1.328
1871	52,466,433	60½	1.326
1872	56,881,165	60 5/16	1.322
1873	62,572,004	59¼	1.298
1874	64,160,372	58 5/16	1.278
1875	59,802,353	56⅞	1.246
1876	63,537,256	52¾	1.156
1877	68,270,556	54 13/16	1.201
1878	72,648,794	52 9/16	1.152
1879	75,205,710	51¼	1.123
1880	76,472,737	52¼	1.145
1881	81,268,961	51 11/16	1.138
1882	87,619,253	51¾	1.136
1883	89,352,190	50 3/16	1.110
1884	86,218,220	50⅝	1.113
1885	93,448,915	48¾	1.064
1886	92,511,178	45⅜	0.995
1887	98,115,529	44⅝	0.978
1888	107,696,915	42⅞	0.940
1889	124,199,779	42 11/16	0.935
1890	132,028,344	47 11/16	1.046
1891	137,965,412	45 1/16	0.988
1892	152,939,986	39 13/16	0.871
1893	166,100,277	35⅝	0.780
1894	167,752,517	28 13/16	0.635
1895	169,180,249	29⅞	0.655
1896	157,061,370	30¾	0.674
1897	164,073,172	27 9/16	0.604
1898	173,227,864	26 5/16	0.582
1899	167,224,243	27 7/16	0.596
1900	172,838,873	28¼	0.613
1901	173,011,283	27 3/16	0.589
1902	162,763,483	24 1/16	0.522
1903	167,689,192	24¾	0.536
1904	164,195,266	26⅜	0.572
1905	172,317,688	27 9/16	0.604
1906	165,382,372	30⅞	0.665
1907	185,014,623	30 3/16	0.653
1908*	183,798,053	24⅜	0.528

*Estimated.

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TABLE OF PRODUCTION AND DIV

COMPANY OR MINE	CAPITAL AUTHORIZED	CAPITAL ISSUED	PAR VALUE	SHIPMENTS IN TONS (2000 LBS) 1904	1905	1906	1907	1908	1909	TOTAL		1909		19
BAILEY	5000000	5000000	1					8800		1400				
BEAVER	2000000	1196490	1						18	8 8				
BUFFALO	1000000	1000000	1		8000	5998	12014	5390	6412	16916	9	2701000	12	10
CHAMBERS FERLAND	2500000	2512867	1					2238	3148	5386				
CITY OF COBALT	1500000	1500000	1				5061	16100	3083	13990				
COBALT CENTRAL	800000	476150	1				7335	8709	5148	6913				
COBALT LAKE	500000	395166	1					2837	3347	5244				
COLONIAL	6000000	6000000	5			1500	4038			5538				
CONIAGAS	4000000	4000000	5		3000	4228	16443	61025	8038	45173			9	6
CROWN RESERVE	2500000	1999957	1					63755	46538	38285				
DRUMMOND	100000	100000		80	3215	2410	10495	14958	11988	37726		1000000		0
FOSTER	1000000	916588	1		8305	11000	5615	19120	16190	8830			5	4
GREEN MEEHAN	1500000	1500000	1			3703	9839			13542				
IMPERIAL COBALT	1000000	1000000	1				1461			1461				
KERR LAKE	3000000	3000000	5		3435	3815	5976	6404	11987	29492		1500000	8	4
KING EDWARD	6000000	6000000	5		1900		5112	5381	16658	35039				
LA ROSE CONSOLIDATED	7500000	7482320	5					6143	7618	13761				
LA ROSE MINE (INCLUDED IN LA ROSE CONSOLIDATED)				6005	6078	6546	10645			4839		6024900		10
LAWSON					1461		6112			7573				
PRINCESS							395			395				
UNIVERSITY					1600	5524	6023			13151				
VIOLET					1600	2000				3600				
LITTLE NIPISSING	1500000	1250000	1					4067	3956	8023				
McKINLEY DARRAGH	2500000	2246937	1	2000	4470	8045	7424	12608	5016	41479			2	4
NANCY HELEN	500000	408000	1				5010	2012	1184	3406				
NIPISSING	6000000	6000000	5	5700	4860	12500	25382	35119	64634	5246	8	4800000	14	6
NOVA SCOTIA	2500000	2000000	1			455	2181	2419	3459	9005				
O'BRIEN					2632	1418	19161	34551	41812	65154				0
PROVINCIAL								7884		7884				
RED ROCK							4571			4571				
RIGHT OF WAY	2000000	1685500	1			4625	12937	7500	16087	21128			14	6
SILVER BAR	500000	500000						58		58				
SILVER CLIFF	500000	500000						16044	14300	30344				
SILVER LEAF	5000000	5000000	1		900		4656	19703		25259				
SILVER QUEEN	1500000	1500000	1		4433	19098	41857	88570	31664	186662			8	2
TEMISKAMING	2500000	2500000	1				20436	79570	85959	185965				
TEMISKAMING COBALT						2047	6796			8843				
TEMISKAMING & H BAY	25000	7761	1				14985	105423	74526	198934	900	1129200	500	2
TOWNSITE	1100000	970000	1				14322	17771	2719	34812				
TRETHEWEY	1000000	1000000	1	2100	21858	19868	33358	140068	112953	380805	4	3781300	4	3
VICTORIA	1000000	1000000	1					47		47				
WHITE					2845					2845				
CASEY COBALT	100000	100000						1000	850	1850				
NORTH COBALT									687	687				
TOTALS				18855	23560	58759	148614	254443	239665	758594	9000	10988100	376	9

1 VON RIGHT OF WAY MINES LIMITED CAPITAL INCREASED FROM 500000 SEPT 09.
2 CLOSE COMPANY NO DIVIDENDS ESTIMATED
3 -
4 PETERSON LAKE LEASE
5 NOVA SCOTIA SHIPMENTS INCLUDE 1215 TONS FROM PETERSON LAKE LEASE
6 VON ANGANGO
7 - HUDSON BAY MINES LIMITED CAPITAL $3000000
8 - HARGREAVES
9 HARRIS T.D.
10 OF THIS 251145 SHARES HELD IN TRUST FOR BENEFIT OF CO

[illegible] DIVIDENDS 1904 – 1908 INCLUSIVE

[illegible]

[illegible]	%	1907	%	1908	%	1909	%	[illegible]	[illegible]	%	[illegible]
[illegible]000	12	[illegible]8000000	18	[illegible]2000000	32	[illegible]		[illegible]	30[illegible]		[illegible]
				44[illegible]				[illegible]		25	3919 [illegible]
						[illegible]		[illegible]		4	[illegible]
	7	6000000		4100000	9	9600000	2[illegible]	[illegible]		29	11 6000000 3% NOV 1 08
			4	10130[illegible]	11	[illegible]	14	3[illegible] 15	26532210	90	159[illegible] 6%-3% EXTRA JAN 15 10
[illegible]000		[illegible]000000		10000000		10000[illegible]		[illegible]			40000000
		4510000					5	4510000		5	4510000 [illegible]% JAN [illegible]
[illegible]000	8	[illegible]4000000	15	4500000	25	8900000	1	[illegible]		61	15500000 5%+2% EXTRA DEC 15 09
			5	[illegible]		[illegible]	14	11284510[illegible]	14984[illegible]	21	31829800 2% JAN 15 10
[illegible]100		[illegible]						[illegible]			1204[illegible]
	7	4491874	9	20222453	10	22369[illegible]	21	[illegible]	[illegible]	26	58420[illegible] 5% JAN 15 10
[illegible]000	14	[illegible]4000000	12	17000000	[illegible]	13500000	10[illegible]	[illegible]	45000000	64	184[illegible] 5%-2[illegible]% EXTRA JAN 15 10
		[illegible]000000		80000000		50[illegible]		150[illegible]0000			150000[illegible]
	14	698897[illegible]	14	6932[illegible]		[illegible]	[illegible]	350[illegible]		67	35835[illegible] 2% DEC [illegible]
	8	2000000	13	19500000			21	350[illegible]		21	5130[illegible] 3% DEC 15 08
			9	20[illegible]	12	[illegible]000000	[illegible]	[illegible]		21	50[illegible] 7% APR 15 09
[illegible]200	300	23[illegible]	[illegible]	27306000	10[illegible]	16[illegible]	00	[illegible]100300	2525300	[illegible]	119514900 300% JAN 11 10
[illegible]300	4	3781003	[illegible]	12[illegible]100	23	[illegible]	[illegible]	46[illegible]		[illegible]	[illegible]99800 15% DEC 15-09
[illegible]100376	[illegible]	[illegible]201343	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	18020 [illegible] 33%	1080[illegible]	[illegible]	11[illegible]0 504 82

[illegible] ASED TO THE ARGENTUM MINES [illegible]
[illegible] INCLUDED IN THE [illegible] CONSOLIDATED [illegible]
[illegible] LEASED TO [illegible]
[illegible] MENTS FROM [illegible] HELD BY THE KING EDWARD CO
* ESTIMATED
. BEFORE INCORPORATION
[illegible] CAPITALIZATION

From 1888 to 1890 the world's production advanced from 107,696,915 ounces to 132,528,344 ounces, yet the average price of silver in 1890 was over 10 cents higher than in 1888.

The average price of silver for 1909 was 51.5 cents, which is 1.3 cents less than for 1908, 13.8 cents less than for 1907, and 15 cents less than 1906.

The production for 1909 averaged 2,000,000 oz. per month.

The importance to the Cobalt District of a good market for silver is shown by the fact that the advance of one cent per ounce means a net gain of approximately $20,000 per month to the district.

COST OF PRODUCTION

The cost of production in Mexico is over 40 cents per ounce, in the United States over 30 cents; in Cobalt the average cost is under 20 cents per ounce.

The following figures give the cost of production in 1908 of several of the largest shippers:

	Cents per oz.
Nipissing	18½
La Rose	17
Kerr Lake	15 6-10
Tretheway	14
Crown Reserve	9 7-10

These figures are for the actual working cost and marketing charges, i.e. freight and treatment at the smelters. The latter charges vary with the character of the ore, but may be estimated at, approximately, from 12 to 15 per cent. of the value of the shipment.

The wide difference in the production cost as given above, is accounted for by various reasons. For instance, the Crown Reserve is mining very largely from one strong vein of remarkably high-grade ore, while the Nipissing Company is operating over several hundred acres and producing ore from a large number of shafts. The charges for development against the figures given in the Nipissing greatly exceed the similar charges in the Crown Reserve.

COBALT.

In spite of the fact that the Cobalt District controls the world's market for ores of cobalt, comparatively little has been realized from the production. The world's consumption of cobalt is less than 300 tons per annum. It is marketed in the form of cobalt oxide, and used principally by glass and pottery manufacturers. Overproduction has resulted in a marked decrease in price and great difficulty in marketing the ore. Payment is made for cobalt when it runs over 60 per cent., providing that the nickel contents are lower than the cobalt contents.

In non-silver-bearing ores, where cobalt runs 14 per cent. or over, this element is paid for on the basis of about 40 cents per pound. The price decreases in proportion to the decreasing percentage of cobalt.

Out of 394 shipments of silver ore assayed by A. R. Ledoux & Co., the highest percentage of cobalt in any one shipment was 11.96 per cent., the average 5.99 per cent.

The total output of cobalt is not definitely known, as many of the mines make no assay for anything except silver.

In the five years ending December 31, 1908, $416,708 was realized by the mines for cobalt marketed.

NICKEL AND ARSENIC

Practically no returns are now received for nickel or arsenic. In the [illegible] above the figures are for the shipments made before the smelters stopped [illegible] for these elements. Nickel is now considered a detriment and penal[illegible] [illegible] by some of the smelters. The arsenic is saved by some of the smelting companies and marketed in the form of white arsenic.

Production and Dividends.

The tables included in this volume give the production of the Cobalt mines to December 31st, the authorized and issued capital and the dividends paid by each company.

An analysis of these tables shows that forty four mines have shipped in six years *78,589.94 tons of ore, which yielded **62,500,000 ounces of silver of a gross value of **$44,304,260.00. The recorded sales of cobalt, nickel, and arsenic bring the total up to not less than $44,000,000.00. Of the forty four mines which have shipped ore, ten contributed a total of less than 200 tons and can hardly be counted on for further shipments. Seventeen of the thirty four shipping mines have paid in dividends and in profits to private owners a recorded total of $17,101,504.82, adding to this the proceeds from ore sales by private owners before incorporation brings the total to not less than $17,850,000.00.

During 1909 twenty eight mines shipped *29,996.51 tons of ore, which yielded 25,000,000 estimated ounces of silver of an estimated value of $12,875,000.00. Of these twenty eight shippers twenty six were public companies. Thirteen of these twenty six companies, with a total issued capitalization of $35,000,000.00, shipped 25,414 tons, or 85 per cent. of the total, and paid in dividends $6,468,853.42, or 18½ per cent. on their issued capital at par.

To this must be added profits divided by two privately owned properties estimated at $600,000.00, making a total of $7,068,853.42 paid in dividends and profits in the twelve months.

Value of Ore per Ton.

	Average Value per Ton.	Average Price Silver per Ounce
1904	$862.00	$0.572
1905	687.00	0.604
1906	705.00	0.665
1907	426.00	0.653
1908	362.00	0.528
1909	429.00	0.515
Average for 6 years	442.00	[illegible]

*Net tons as shown by T. & N. O. R. R. freight statements. **Estimated for 1909.

The increase in value per ton for 1909 over 1908, in spite of the decrease in the price of silver, was the result of the shipment of concentrates.

The average value per ton for the six years was $442. Including all dividends and profits distributed, $215 has been paid for each ton of ore shipped, or about 50 per cent. of the gross value of the production. The record for 1909 is even more remarkable. The average value per ton was $429, which $216 was paid in dividends for each ton of ore shipped.

The following table illustrates the rapid advance and increasing importance of Cobalt as a factor in the world's production of silver.

Silver Production (Fine Ounces)

Year	World's Production	United States	Per Ct.	Montana	Per Ct.	Cobalt	Per Ct.
1904	168,890,248	53,000,840	31.25	12,817,285	7.61	206,875	.1
1905	157,339,069	50,101,600	35.66	11,454,700	8.55	2,451,158	1.56
1906	158,111,445	56,517,900	35.70	12,540,400	7.92	5,401,760	3.41
1907	159,456,433	56,514,700	35.44	11,120,600	6.98	10,021,111	6.3
1908	204,186,370	52,440,800	25.80	10,436,200	5.09	19,437,875	9.51
1909	*205,819,977	53,840,000	26.16	12,000,000	5.83	25,000,000	12.14

*1909, estimated.

In 1904 Cobalt produced twelve one-hundredths of one per cent. of the world's silver. In 1909, five years later, Cobalt produced over 12 per cent. of the total world's production, placing Canada third in the list of silver producing nations.

Last year Cobalt shipped almost one-half as many ounces of silver as the United States, and more ounces than the combined output of Colorado and Montana.

Market Features.

The Cobalt shares are the most sensitive of the mining issues, and often subject to material advances. This is due to the frequency with which new and spectacular discoveries are made.

An investor who holds mining securities should keep in mind the fact that the life of every mine is limited, that each ton of ore produced means one ton less in the mine, and that the capital invested must be returned during the life of the mine. This is qualified in the Cobalt issues by the fact that at the present stage of development two or more tons of ore are often blocked out in producing one ton, and that the initial cost of developing a Cobalt property is comparatively small.

Dividends on mining stocks are, to a certain extent, returns of the capital invested, and a certain proportion of the dividends received by the investor

should be set aside yearly as repayment on the original capital invested. This, of course, applies only to the purchase of shares in companies which have reached the dividend-paying stage. Shares in prospect mining companies are usually sold at a great discount, and the first dividend on a successful mine of this class often returns the whole capital invested. In railway or industrial stocks the total of dividends paid can, if proper provision is made for maintenance, be considered as a profit to the investor. Holders of this class of securities count on receiving a fair interest on their investment.

In addition to the assurance of large dividends, many of the Cobalt mining stocks offer great speculative possibilities. It is the speculative element that attracts a large percentage of investors to the purchase of mining securities. The records of some of the mining companies in the Cobalt District in this respect are without parallel in the history of mining.

NON-DIVIDEND-PAYING COMPANIES.

Of the 24 non-dividend-paying companies credited with shipments, 4, the Lawson, Princess, University and Violet, are incorporated in the La Rose Consolidated Company. Eight, the Nova Scotia, King Edward, Silver Leaf, Silver Cliff Foster, Cobalt Lake, Chambers-Ferland, and Townsite, are in active operation, and can be counted on for further shipments. Five, the Colonial, Silver Bar, Little Nipissing, Green-Meehan an Victoria, are operating, and will add something to the production. Four, Casey Cobalt, Imperial Cobalt, Red Rock and *Temiskaming Cobalt, are apparently out of business. The Provincial has been sold, and will be further prospected, and the White Silver has been purchased by the Hargrave and is being developed. The North Cobalt shipped 10 tons on November 17th. The Beaver mine shipped 51.38 tons of high-grade ore in November and December, and will be one of the large producers in 1910.

In addition to these companies, the Badger, Shamrock, Red Jacket, Ophir and some others are sacking more or less ore, and many of the prospect properties show encouraging signs of developing into producing mines.

The period from 1906 to 1908 witnessed a wonderful advance in the development and equipment of mining properties. By the end of 1908 the concentrating plants in operation had demonstrated the very great possibilities of profits from treatment of the low-grade ores of this district.

The tendency is now towards improving and increasing the facilities for winning and treating low-grade ores and toward the reduction of mining costs.

Owing to the narrow veins typical of this camp, mining costs per ton of ore extracted are high, averaging in the producing mines over $100 per ton. The ore recovered is, however, of such remarkable richness that costs of producing and marketing silver are, compared to any silver camp in the history of mining, exceedingly low.

The production for 1909, estimated at between 24,000,000 and 25,000,000 ounces, should be exceeded in 1910. While rich ore bodies are constantly being discovered, the life of the district depends in a large measure on the extension and improvement of concentrating plants.

*Not Temiskaming Mine.

QUOTATION AND SALES OF COBALT SHARES ON TORONTO EXCHANGES, 1909.

	Sales, 1909, Toronto.		Price Range.					
	Total		To Dec. 31, 1908.			1909.		
Company.	Shares.	Value.	High.	Low.	Last.	High.	Low.	Last
Amalgamated	295,870	$41,249.00	.96	.03	.11½	.14½	.08	.08
Beaver Cons.	10,468,571	2,701,063.14	.88	.20	.24¾	.45½	.09½	.36¼
Buffalo Mines	6,240	21,147.00	5.00	.80	3.40	3.60	2.50	2.75
Black Mines	5,850	1,165.12	.		.	.22½	.22	.12
Cobalt Central	773,450	309,898.87	.76	.16½	.56	.58½	.24	.24
Chambers-Ferland	1,139,649	685,689.01	1.26	.75	.84	.85½	.36	.40
City of Cobalt	1,686,210	871,342.23	2.83	2.38	2.50	.91	.33	.51½
Cobalt Lake	1,625,722	263,395.73	.85	.08½	.17	.19½	.11½	.14
Crown Reserve	494,951	1,307,726.30	3.10	.20	2.68	6.00	2.61	4.08
Coniagas	32,279	193,445.27	8.50	3.30	6.50	7.00	5.25	5.25
Cons. Silver Cobalt	11,050	2,045.75	..	..	..	.13¼	.11½	not call.
Foster	1,270,571	633,005.24	1.37	.35	.41	.70⅛	.22	.31
Gifford	748,225	160,524.02	.32	.16	.20	.3	.14	.19½
Great Northern	445,338	130,260.48	.	..		.19	.10	.10⅛
Green Meehan Con.	30,800	3,619.00	..	..		.12	.11	.11½
Green Meehan	584,790	103,242.12	2.05	.08½	.21	.30	.11	not called
T & H B	84	14,722.00	290.00	100.00	280.00	290.00	148.00	148.00
Kerr Lake	173,449	1,337,631.72	7.80	2.55	7.50	9.40	7.00	9.00
La Rose Cons.	624,811	4,233,651.60	7.10	5.00	6.40	8.50	4.20	4.85
Little Nipissing	1,956,290	559,605.26	.68	.20	.43	.46½	.17	.2[illegible]
McKinley Darragh.	209,223	167,140.49	4.12	.64½	1.01	1.03	.81	.83
Nancy Helen	320,130	58,840.63	1.01½	.60	.75	.78	.15	.18
Nipissing	106,264	1,103,530.67	34.25	5.50	10.15	12.87½	9.25	10.45
Nova Scotia	2,843,203	1,662,012.11	.90	.15	.63½	.78½	.34½	.43½
Ophir	359,635	332,850.09	..	..	..	1.75	.50	.84
Peterson Lake	3,806,193	1,031,527.63	1.00	.05	.34	.41	.19½	.23½
Right of Way	14,713	32,383.90	10.50	1.00	3.25	3.50	1.30	not called
Rochester	3,244,436	574,142.23	.45	.16	.23	.26¼	.10¼	.18¾
Silver Bar	869,884	316,808.31	.68	.15	.46½	.76½	.14	.17
Silver Leaf	4,938,380	809,455.24	.43	.05	.12½	.22¼	.10	.13½
Silver Queen	349,828	194,855.09	3.50	.62	.99	1.00	.19	.22
Temiskaming	4,337,105	5,155,308.73	2.25	.26	1.70	1.88	.67	.71½
Trethewey	551,629	787,967.81	2.85	.46	1.43	1.65	1.29	1.44
Watts	90,875	22,676.88	1.20	.28	.37	.45	.15	.17

CUSTOM SAMPLER.

The independent custom sampling plant under construction at Cobalt will do much to minimize the cost and difficulties in marketing the very complex ores of this district.

"The province of the sampling company will be to sample and assay all the products from the mines, thereby establishing the percentages of the constituent values, such certified estimation to be the basis of settlement between mines and smelters. Th company proposes to take ore from the mines in large or small quantities, weigh, sample, assay, giving their certificate to both mine and buyer. Storage capacity will be provided for ore that is not immediately sold and for

purposes of holding ore until the proper material has been added to bring it up to smelter requirements. When shipped, the ore will be placed in non-leakable bags and consigned under seal. The bullion resulting from the melted metallics in the ore will be shipped to smelter or refinery, according to understanding between buyer and seller of ore. Certificates will be given in respect to silver, stating weights and amount of silver in friable ore; also weight and number of ounces in bullion with allowances for slag, dust, loss, moisture, etc. Analyses for cobalt, nickel, arsenic, silica, lime, iron, etc., will be given in percentages."*

The successful operation of this plant will be of great benefit to the producers in saving the time and expense of sending a representative with each shipment of ore to the smelter. It will also enable the purchaser to procure an ore of uniform grade most suited to his needs.

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*From the Canadian Mining Journal, Oct. 1st, 1909.

PART IV.

MANUAL OF INCORPORATED COMPANIES.

UNIV. OF CALIFORNIA

Beaver Consolidated Mines, Limited.

(Incorporated February 25, 1907, under the Laws of Ontario.)

Head Office—Traders Bank Building, Toronto, Ont.

Directors—Frank L. Culver, Toronto, Ont., President; C. J. Booth, Ottawa, Ont., Vice-President; H. E. Tremain, Toronto, Ont., Secretary; J. H. Stephens, Toronto, Ont., Treasurer; W. L. Churchill, Bay City, Mich.; Wm. Muir, Titusville, Pa.; J. M. Wallace, Toronto, Ont.

Authorized Capital—$2,000,000. All issued. Par value $1.00.

Property—N. ½, N.E. ¼, N. ½, Lot 1, Concession III., Coleman.

Formation—Keewatin.

STATEMENT AS OF FEBRUARY 28TH, 1909.

LIABILITIES.		ASSETS.	
Banks	$3,339 69	Cash	$235 47
Pay roll	1 397 26	Property, plant and equipment	1,014,292 68
Accounts payable	5,445 40	Furniture and furnishings	925 53
Capital stock	1,080,718 63	Incorporation and organization	1,539 70
		Development	61,456 34
		Preliminary and administrative	12,045 74
		Accounts receivable	38 18
		Boarding house supplies	367 34
	$1,090,900 98		—1,090,900 98

EXPENDITURES.				RECEIPTS.			
Mining labour		$28 929 23		Capital Stock:—			
Mining supplies, explosives, etc.		8 461 14		1,000,012 shares issued at par		$1,000,012 00	
Construction—lumber, etc.		4,944 89		435,763 shares issued at a discount of 85 per cent.	$65,365 30		
Mine, machinery, plant and equipment		7,750 14		21,000 shares issued at a discount of 75 per cent.	5,250 00		
Beaver Mine		1,000,000 00		5,000 shares issued at a discount of 73 per cent.	1,350 00		
Tools		545 75		33 shares issued at a discount of 69½ per cent.	10 05		
Horses, wagons, harness, etc.		1,051 90		82 shares issued at a discount of 68 per cent.	26 24		
Boarding house furnishings		896 38		24 shares issued at a discount of 66½ per cent.	8 04		
Mine office furniture		29 15		11,596 shares issued at a discount of 25 per cent.	8,697 00		
Charter—letter patent and legal		1,539 70				80,706 63	
Fuel		6,555 36		Total shares, 1,473,510.			
Board of men		2,708 60				$1,080,718 63	
Freights		404 95		Traders Bank of Canada, Toronto	$2,923 05		
Assaying		73 93		Imperial Bank of Canada, Cobalt	416 64		
Horse expense, teaming, etc.		3 090 90				3,339 69	
Head Office salaries and expense		5,843 44		Pay roll	$1,397 26		
Account books, printing, stationery, etc.		566 15		Cobalt Consolidated Limited	432 83		
Travelling expenses		449 11		Cobalt Silver Queen, Limited	339 37		
Head Office rent		432 63				2,169 46	
Insurance employers' liability, etc		787 60		Accounts payable		4,673 20	
Taxes		39 33					
Sundry expenses, including advertising, postage, telegrams, telephones, reports and office supplies, etc.		1,328 62					
Interest, discount and exchange		2,398 04					
Brokerage on sales of stock		1,027 75					
Accounts receivable		38 18					
Hospital fees, medical attendance, etc.		405 30					
Inventory or boarding house supplies		367 34					
Cash on hand:							
At Head Office	$100 00						
Petty cash	62 36						
Superintendent's acct.	73 11						
		235 47					
		$1,090,900 98				$1,090,900 98	

Equipment—Power house, six drill compressor, hoist and boiler 80 h.p., boarding house, sleeping camp, office, blacksmith shop, stable and ice house.

Development—Shaft No. 1, at the 75 foot level, 165 feet of drifting, 569 feet cross-cutting.

Shaft No. 1, at the 200 foot level, 600 feet drifting and cross-cutting.

Shaft No. 2, at the 75 foot level, 70 feet of drifting. Now down 172 feet.

The authorized capital of this company was originally $1,500,000, of which 500,000 shares were treasury stock, the same being sold at prices ranging from 15 to 75 cents, and the money obtained from this treasury stock was put into plant and development of the property. In April, 1909, the capital was increased to $2,000,000, to raise sufficient funds to continue the work, therefore a by-law was passed and supplementary Letters Patent were granted to do this, and the 500,000 shares of new stock were sold at 10 cents a share, thereby putting $50,000 into the treasury of the company since the annual statement was issued. Since that time the work has gone steadily on and in drifting on veins on the 200-foot level ore has been struck some of which assayed as high as 9,000 ounces. The values

are very erratic, the ore shoots being uncertain in width and length. A winze was sunk some 50 feet from the 200 foot level and a cross cut made to the vein, which encountered high-grade ore. A drift north on the vein has developed a strong ore shoot 10 to 14 inches wide, carrying high silver values. The development at the 250 foot level indicates a shoot of rich ore which apexes at the 200-foot level. Underground work on the Temiskaming property has shown that the high-grade ore extends to a much lower level.

Market: 1907, marketed at 50 cents; sold as low as 25 cents. 1908, high, 66½c; low, 12c. 1909, high, 45½c; low, 9⅞c.

Note.—December 31, 1909.—Two cars of high-grade ore were shipped in November and December, 1909. The prospects are very favourable for steady production in 1910.

U. W. O. LIBRARY

The Buffalo Mines Limited.

(Incorporated April 27th, 1906, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Transfer Agents and Registrars—United States Mortgage & Trust Co., New York; Imperial Trusts Co., of Canada, Toronto, Ont.

Treasurer's Office—1006 Fidelity Building, Buffalo, Ont.

Mine—Cobalt, Ontario.

Directors—Charles L. Denison, New York, President; Robert W. Pomeroy, Buffalo, N.Y., Vice President; George C. Miller, Buffalo, N.Y., Secretary-Treasurer; S. W. Childs, New York; F. C. Walcott, New York; H. B. Crandall, New York; J. H. Horton, Buffalo, N.Y.; L. B. Hart, Buffalo, N.Y.; E. M. Mills, Buffalo, N.Y. Mine Superintendent—Tom R. Jones, Cobalt, Ontario.

Authorized and Issued Capital—$1,000,000. Par value, $1.00.

Annual Meeting—Date not fixed, usually in May.

DIVIDENDS.

The Buffalo Mines, Limited, paid its initial dividend of 3% quarterly in July, 1906. Since that date it has been on a regular 3% quarterly dividend basis until 1909, when the rate was increased to 6% a quarter.

No.	Date Paid.	Rate (%)	Total Amount.
1	Oct. 1, 1906	3	$27,000
2	Jan. 1, 1907	3	27,000
3	Apr. 1, 1907	3	27,000
4	June 1, 1907	3	27,000
5	Oct. 1, 1907	3	27,000
6	Jan. 1, 1908	3	27,000
7	Apr. 1, 1908	3	27,000
8	July 15, 1908	3	27,000
9	Oct. 1, 1908	3	27,000
10	Jan. 1, 1909	6	54,000
11	Feb. 1, 1909	1	10,000
12	Mar. 1, 1909	1	10,000
13	Apr. 1, 1909	5	50,000
14	May 15, 1909	3	30,000
15	June 15, 1909	5	50,000
16	Aug. 15, 1909	3	30,000
17	Oct. 1, 1909	5	50,000
18	Nov. 15, 1909	8	30,000
19	Jan. 1, 1910	5	50,000
20	Feb. 15, 1910	13	130,000
	Total paid and declared	77%	$737,000

STATEMENT OF EARNINGS AND EXPENSES, APRIL 30TH, 1909

Earnings.

Income from operations			$178,867.57
Ore Sales:—			
Silver, ounces	$905,840.78	$461,240.33	
Cobalt, pounds	54,703.83	4,298.74	
Bullion Sales:			
Silver, ounces	14,000.50	7,008.05	
Concentrates and Bullion ready for shipment			
Concentrates, ounces	10,710.00	5,555.81	
Bullion, 4 bars	1,341.00	695.64	
Other Income			
Ground rent		74.00	615.10
House rent		100.00	
Interest on deposits		441.10	
Gross total Income			$479,482.67
Transportation Treatment			31,956.02
			$447,526.65

EXPENSES.

Expenses of Operation		$211,977.48	
Mining	$105,953.62		
Milling	27,960.29		
Written off Book Inventory			
Installation and Repairs	37,839.99		
Depreciation	35,683.26		
Plant discarded	1,403.07		
Boarding House	3,137.25		
Expenses of Administration		31,260.01	$243,237.49
Surplus			$204,289.16

On the first of May, 1909, the company had on the stock piles many thousand tons of milling ore awaiting treatment in the concentrating mill or the cyanide plant. The expense of mining this ore was fully paid prior to May 1st, 1909, and is included in the foregoing statement of expenses. No valuation of this ore as an asset is given.

CONDENSED BALANCE SHEET.

Cash and Accounts Receivable:		
Cash on hand and in bank	$65,756.32	
Accounts receivable for stores sold, etc.	873.43	
Total Carried Forward	66,629.75	
Total Brought Forward	66,629.75	
Ore and Bullion:		
With smelters and bullion dealers	109,358.90	
Concentrates ready for shipment	5,555.81	
Bullion in vault ready for shipment	695.64	
Ore on dump and ore broken in mine	Not valued	
Total		115,610.35
Stores and supplies		11,500.66
Plant, Tools and Equipment		112,999.28
Mining Rights:		
Mineral	$81,[illegible]	
Surface	12,303.90	
Total		$96,392.86
Grand Total		$1,203,132.90

LIABILITIES

Notes and Accounts Payable:		
Trade creditors and Miscellaneous	$8,026.13	
Officers of the company	551.13	
Employees, for wages	10,246.30	
Reserve for Transportation and Treatment of Ore and Bullion on hand	474.98	
Capital and Surplus:		
Capital—1,000,000 shares of $1, each fully paid	1,000,000.00	
*Surplus	183,834.36	
Total		$1,183,834.36
Grand Total		$1,203,132.99

*Amount as shown at credit of Profit and Loss.

Out of this amount a dividend of 3% was declared March 13th, 1909, payable May 5th, 1909.

Location and Area The property of this company consists of 40 acres situated north of and adjoining the town of Cobalt, described as the S.W. ¼ of the S. ½, Lot 6, Concession 6, Coleman Township.

Formation.—Approximately half of this property is Lower Huronian conglomerate overlying Keewatin; on the western half the Keewatin is exposed. The silver values are confined to the Huronian, which increases in depth towards the eastern boundary of the property.

Veins and Development—Over 6,500 feet of drifting has been done on the network of veins which have been located. Eight shafts have been sunk, of which Nos. 3, 4, 5, 6 and 12 are operated. A number of the veins carry very high values in silver. In addition to the rich ore shoots the silver values extend into the wall rock, often for several feet on each side of the veins. A large percentage of the silver produced in the past year has come from concentrating low grade ore. Only sufficient ore has been extracted to supply the concentrating mill.

A large ore reserve has been blocked out.

During the year ending April 30, 1909, 148,178 cubic feet of stoping was done. The drifts were extended 1,881 feet, making a total to that date of 6,135 feet.

Production—During the year ending April 30th, 1909, 25,760 tons of ore were broken, of which 12,755 tons, estimated to contain approximately 550,000 ounces, were left in the mine. The following table gives the ore hoisted and treated during this year:—

Grade	Tons. Broken.	Tons Hoisted.	Tons Shipped.	Tons to Stock Pile	Tons to Mill.	Ounces Silver.	Av. ozs. Per Ton.
Low grade	25,760	18,477	.....	5,472	13,005	565,313	43.40
High grade	.....	.....	150	....	.....	451,251	3,008.30
Total	25,760	18,477	150	5,472	13,005	1,016,564	

The net earnings for the year amounted to $447,526.65.

The production for each year was as follows:

Period.	Ounces Silver.	Pounds Cobalt
May 10th, 1906, to April 30th, 1907	309,460.000	12,251
May 1st, 1907, to April 30th, 1908	747,772.212	32,366
May 1st, 1908, to April 30th, 1909	1,016,564.000	54,793
Total	2,073,796.212	99,410

The monthly production from April 30th to September 30th, 1909, was as follows:

Month	Tons Ore Milled.	Ozs. Silver per Ton.	Ozs. Silver Recovered.	Ozs. Silver Paid for* (shipped previously)
May	2,129	45.00	81,187	120,643.50
June	3,070	52.87	133,580	70,102.53
July	3,080	41.55	97,985	130,759.00
August	2,559	35.18	79,214	63,973.23
September	2,793	27.95	75,877	114,404.62

No estimates are made of high grade ore, but returns are included under "Ounces of Silver Paid for during Month (Shipped previously)," as smelters made settlement.

The present production is over 100,000 ounces of silver per month at a cost of 28.5c per ounce, including all expenses.

Equipment—Plant—The property is equipped with an up-to-date plant containing a 12 drill compressor, 325 h.p. engine, 500 h.p. boilers and a 125 ton mill. One hundred and thirty men are employed at the property.

Concentrator. The mill, which was originally of 60 tons capacity, was erected in September, 1907. A cyanide plant was installed recently and went into operation August 1st, 1909.

The average extraction for the past year was 86.4%, and it is expected that with the new cyanide process in operation this saving will be increased to 91% during 1909. At present about 125 tons of ore per day are going through the concentrator. The average value of the ore being treated is 45 ounces of silver per ton, and a ratio of concentration of 45 to 1 is obtained.

Market—1908, high, $3.75; low, $1.55. 1909, high, $3.50; low, $2.50.

Chambers-Ferland Mining Company, Limited

(Incorporated June 20th, 1905, under the Laws of Ontario)

Head Office—58 Wellington St. East, Toronto

Mines—Cobalt, Ontario

Transfer Office Trusts & Guarantee Co., Limited, Toronto

Directors William C. Chambers, Harriston, Ont., President; Harper Armstrong, Toronto, Vice President; Alexander Fasken, Toronto, Secretary Treasurer; Arthur Ferland, Haileybury; William B. Russell, Archibald T. Strathers, Geo. Herbert Sedgwick, Toronto

Authorized Capital [illegible] Par value, $1.00, [illegible]

Dividends None

Annual Meeting Second Wednesday in June

Balance Sheet

ASSETS

Cash in bank		$74,799.12
Accounts receivable	$1[illegible]	
[illegible]	754.65	
		766.90
Inventories		
Explosives	[illegible]	
Supplies	1,7[illegible]	
Supplies	9,[illegible]	
Fuel	[illegible]	
Office Safe	[illegible]	
Horses		6,611.90
Ore in transit at smelters	21,544.65	
and on hand	15,257.43	
		36,802.08

Buildings	[illegible]
Plant and Machinery	[illegible]
Insurance unearned	[illegible]
Discount on shares sold below par	[illegible]
Mine	[illegible]
	[illegible]

LIABILITIES

Due for unpaid wages		[illegible]
Accounts payable	[illegible]	
Due Ontario Government for [illegible]	[illegible]	
Capital stock authorized	[illegible]	
In treasury	[illegible]	
Outstanding		[illegible]
Profit and Loss		[illegible]
		[illegible]

Royalty.—This company pays a royalty to the Government of 2%.

Location and Area.—The property of this company consists of 124 acres located north and east of the town of Cobalt, practically surrounding the La Rose and the La Rose Extension Mines. The formation is chiefly lower Huronian conglomerate.

Development.—Fifteen veins have been located on this property, only one of which has proved of economic importance. Two shafts have been sunk. No. 1 to a depth of 160 feet in the extension of the No. 10 La Rose vein, with levels at 100 feet and 150 feet. Drifts have been run at these levels to the O'Brien Mine on the east and the La Rose Mine on the west. These workings have developed a rich ore body, which has stoped out from the 100 foot level to the surface. Between the 100 and 200 foot levels little ore has been extracted, and a considerable amount remains in place. Over 25,000 ozs. of silver have been taken from this vein.

No. 1 shaft is sunk to a depth of 100 feet with about 700 feet of drifting at this level. No important ore bodies have been located in these workings.

Market.—Year 1908, high 15, low 75; year 1909, high [illegible], low 30½.

The City of Cobalt Mining Company, Limited.

(Incorporated October 5, 1906, under the Laws of Ontario.)

Capital—$1,500,000. All issued. Par value, $1.00. Capital originally $500,000.

Directors—R. T. Shillington, M. L. A., President; H. H. Lang, 1st Vice-President; Wm. F. Powell, 2nd Vice-President; J. P. Finlan, J. C. Stevenson, R. D. McLaren, Murdoch McLeod; Secretary-Treasurer, W. H. Lewis; Superintendent, H. Southworth.

Head and Transfer Office—Cobalt, Ontario.

Annual Meeting—Second Friday in November.

Dividends.

1908,	July 15,	5 per cent.	$21,992.85
	Oct. 15,	5 Per cent.	22,560.85
1909,	Jan. 15,	10 per cent.	49,892.80
	Apr. 15,	3 per cent.	44,944.92
	Total,	23 per cent.	$139,391.42

This company pays a royalty of 25 per cent. of net profits to the T. & N. O. R. R.

Location and Area—The property of the City of Cobalt Mining Company consists of a 99 year lease on 10 acres of the town of Cobalt. The company pays a royalty of 25 per cent. of net profits to the T. & N. O. R. R.

Geology—The geological formation on this property is lower Huronian conglomerate overlying Keewatin.

Development—The main working shaft is sunk to the 200 foot level, from this level a winze has been sunk to the depth of 65 feet. At 137 feet the formation changed from conglomerate to lower Huronian slate which continued to the 200 foot level when conglomerate was again encountered.

When Hubert Southworth, the present Superintendent, took charge of the property on June 15th, the development work done in the slate had failed to locate important silver values. Under Mr. Southworth's direction a considerable amount of work has been done between the 137 and 200 foot levels with very favourable results.

Ore Reserves—Underground work has been confined for some time to developing the recently located ore bodies. It is estimated that there are in the mine over 1,000,000 ounces of silver, including 3 cars of 2,500 ounce ore broken in the stopes, and that the dump contains 150,000 ounces of silver.

During the year ending September 30th, 1909, 23 cars of ore were shipped, 14 of which were screenings and 9 mixed ore, making a total of 739,13 tons, containing 456,000 ounces of silver. On September 30th there was on hand 18 tons of ore estimated to contain about 36,500 ounces of silver. Since that date one car of screenings and one car of high grade has been shipped.

The financial statement for the year ending October 1, 1909:—

Balance, profit and loss, 1908,		$114,470.16
Cash received from smelters,	$290,714.52	
Less account Northern Customs concentrator,	32,214.18	258,500.34
Royalty T. & N. O. Ry. Commission	$ 69,772.38	
Dividends	117,389.57	
Freight and smelter charges	14,908.04	
To balance	170,900.51	
		372,970.50
Cash in bank and on hand Oct. 1, 1909,		$25,395.08
Value of ore not shipped (estimated),		25,000.00
Value of ore shipped and not accounted for		20,000.00
		$70,345.08
Over-draft bank, general account		$ 7,776.63
Outstanding accounts		2,188.47
Royalty due T. & N. O. Ry. Commission		17,000.00
Pay roll, September,		4,995.70

Market:—1908, high, $2.81; low, $1.40. 1909, high, .91; low .26½.

Cobalt Central Mines Company.

(Incorporated December, 1906, under the Laws of the State of Maine, U.S.A.)

Head Office.—Augusta, Maine, U.S.A

Executive Office.—37 Wall Street, New York City.

Transfer Office—Security Transfer & Registrar Co., 66 Broadway, New York City.

Registrars—American Exchange National Bank, 126 Broadway, New York City.

Directors—Thomas A. Nevins, East Orange, N.J., President; Thomas J. Moloney, New York, N.Y., Vice President and Treasurer; E. E. Eldredge, New York, N.Y., Secretary and Assistant Treasurer; William C. Eakins, New York, N.Y.; Jacob W. Young, Cobalt, Ont., General Superintendent.

London Committee—The Earl of Chesterfield, J. Dudley Ryder, Geo. H. Johnson, Chapel House, 54 New Bond St., London, E. C., Secretary.

Authorized and Issued Capital—$5,000,000. Par value, $1.00.

Annual Meeting—Third Friday in December.

Dividends—

No.	Date of Payment.	Rate	Shares Outstanding.	Amount of Dividend.
1	Feb. 1, 1909	2	4,761,500	$95,230.00
2	May 1, 1909	1	4,761,500	47,615.00
3	July 1, 1909	1	5,000,000	50,000.00
		4%		**$192,845.00**

Properties—The Cobalt Central Mines Company is a corporation organized for general mining purposes, under the laws of the State of Maine, and owns all the stock issued and outstanding of the Premier Cobalt Mines, Limited, and all of the stock of Standard Cobalt Mines, Limited, which companies are incorporated under the laws of Canada, and are vested with the legal title to the Cobalt Central properties, comprising approximately 765 acres, located in Coleman and Lorrain Townships:—

1. Big Pete Mine, part of Lot 4, Concession 4, Coleman	33 acres
2. N.E. ¼, N. ½, Lot 4, Concession 4, Coleman	35 "
3. S.E. ¼, N. ½, Lot 2, Concession 4, Coleman	40 "
4. N. ½, S.W. ¼, N. ½, Lot 1, Concession 4, Coleman	20 "
5. S. E. ¼ , N. ½ , Lot 3, Concession 3, Coleman	40 "
6. Part of N.E. ¼, N. ½, Lot 3, Concession 3, Coleman	37 "
7. 10 claims in Lots 9 and 10, Concessions 5 and 6, Coleman	200 "
8. 8 claims in the Township of Lorrain	320 "
9. Lease on Gamey property, N.W. ¼, S. ½, Lot 6, Concession 6, Coleman	40 "
	765 "

This company also held a lease from June, 1908, to June, 1909, on the Bailey mine.

Out of the 765 acres held by this company, the Big Pete mine is, so far, the only producer. The Gamey mine is well located, and some high grade ore has been found, but no important ore bodies have been blocked out.

On properties 2, 3 and 4 several veins have been found, the formation is diabase, and further prospecting may develop ore bodies.

Nos. 5 and 6 are located in southeast Coleman; the formation is Keewatin, diabase and Huronian slate. Several leads have been located, including a 20 to 30 inch quartz vein.

Nos. 7 and 8 are out of the producing area in territory which has yet to be proven.

The Big Pete Mine—Is located in Diabase Mountain. The formation is diabase overlying Lower Huronian slates.

Development—This property has been developed by a tunnel from the side of Diabase Mountain and by two working shafts. The main working compartment shaft is 185 feet deep, with a winze to the 260-foot level. A tunnel from the face of the mountain cuts the shaft at 115 feet; below this, drifts have been driven at the 190 and 260 foot levels. No. 2 shaft is 120 feet deep, with drifts at the 110-foot level.

While this mine produces some high-grade ore, the shipments are very largely concentrates from the milling ore. The high-grade runs from 500 to 7,000 ounces to the ton. The milling ore is produced from areas of enrichment in the veins where small stringers often mineralize the wall rock for from 10 to 20 feet on each side of the main vein. The milling ore runs from 25 to 40 ounces to the ton, and is treated in a very well-equipped concentrating plant.

The main workings have penetrated through the diabase into the underlying Huronian slates, where the values appear higher than in the overlying formation.

Production—The annual report for the year ending February 1st, 1909, states that 14,025 tons of ore were mined and either sacked or sent to the mill. From this tonnage, 594,808 pounds of high grade ore and concentrates were produced. The shipments were as follows:—

The mill is treating about 100 tons of ore per day and producing 75,000 ounces of silver in the form of concentrates. The company estimates a production of 100,000 ounces of silver per month including high grade ore. No statement has been made regarding the number of ounces of silver produced in the past, or cost of production, or the net monthly earnings.

Equipment—In addition to a complete equipment, including substantial buildings, compressors, plant, etc., a concentrating mill has been built with a daily capacity of 100 tons. It is the intention of the company to install a cyaniding plant.

The management claim a recovery of 87 to 88% with a concentration of 40 to 50 to 1. The average value of the concentrates is 2,000 to 3,000 ounces.

Market—1908, high, 75c; low, 21c. 1909, high, 58½c; low, 24c.

Cobalt Lake Mining Company, Limited.

(Incorporated December 22, 1906, under the Laws of Ontario.)

Head Office—401 Traders Bank Building, Toronto.

Annual Meeting—In February.

Directors—Sir Henry M. Pellatt, Toronto, President; George F. Henderson, Ottawa, Vice-President; John H. Avery, Detroit, Mich.; M. Marchand, Montreal, Que.; Major J. A. Murray, Toronto, Ont.; Thomas Birkett, Ottawa, Ont.; Gordon C. Edwards, Ottawa, Ont.; D. B. Rochester, Ottawa, Ont.; Dr. Carden Cousens, Ottawa, Ont.; Gordon F. Morrison, Secretary Treasurer; A. P. Seymour, Engineer and Manager.

Authorized Capital—$5,000,000. Issued, $3,929,166. Par value, $1.00.

FINANCIAL STATEMENT AS OF DEC. 31, 1908.

LIABILITIES.		ASSETS.		
Capital stock	$5,000,000.00	Cash in Bank		$ 31,315 13
Less Treasury stock to issue	1,070,834 00	Mine plant and equipment, including buildings, equipment, power plant, office furniture and stables		39,819 77
		Supplies		2,153 43
		Insurance, unexpired		494 05
		Ore sales, due from smelters		2,100 00
		Ore on hand		26,500 00
		Mine property		3,635,000 00
		Profit and Loss:		
		Balance from 1907	*$132,776 20	
		Balance for 1908	59,007 42	
				191,783 62
	$3,929,166 00			$3,929,166 00

*Including $106,124.90 discount on stock sold.

PROFIT AND LOSS.

Expenses, including legal, camp and Head Office expenses, salaries and travelling expenses	$ 18,046 42	Interest on Bank balances	$ 1,584 85	
Maintenance and depreciation on plant, equipment and buildings	10,460 55	Transfer Fees Account	557 75	
Development	105,881 69	Ore sales and due from smelters	54,904 54	
Ore extraction	8,165 90	Ore on hand	26,500 00	
				$ 83,547 14
		Balance, December 31st, 1908		59,007 42
	$142,554 56			$142,554 56

Location and Area—The property consists of 47 acres lying under the bed of Cobalt Lake, and including a road allowance of 33 feet around the south shore of the lake. This property is located in the heart of the most productive area in the district.

Development—The development of this property has been by far the most difficult problem in the Cobalt district. A large proportion of the property lies under the bed of Cobalt Lake, and all prospecting has been done underground. Until recently this underground work which included over 5,000 feet of sinking, drifting, and cross cutting, had not developed any large ore bodies. The total returns from sale of ore have netted about $88,000.

From the No. 6 shaft, located on the south shore of the lake, near the McKinley-Darragh, a cross-cut was driven at the 140-foot level north along the east line of the McKinley-Darragh, 115 feet, to a point 15 feet from the north line of the latter property. At this point a turn was made at right angles and a cross-cut continued over 500 feet, parallel to the McKinley Darragh north line, with the expectation of cutting the "Lake vein" which has been one of the large producers of the McKinley Darragh.

On the 15th of March last, a vein carrying high silver values was encountered, which is believed to be the No. 2 vein of the McKinley. A drift was started south towards the McKinley line, but owing to the proximity of the bed of the lake, it was decided not to undertake to extract any ore at this point. A winze was sunk some distance from where the vein was encountered to the 195-foot level. A cross cut at this level reached the vein on July 11th. Since this date 125 feet of drifting was done to the McKinley-Darragh line. At this point a drift was continued east on the line. During the first week in October a calcite vein, carrying good silver values was encountered in this drift. This vein is supposed to be the "Lake vein" of the McKinley-Darragh Company. When the vein was located work was discontinued at this point and a cross cut driven to the vein from the winze. Drifting on this vein to the east has been productive of good ore for some distance. The night shift on October 12th, working in this drift, cut a 3-inch vein of calcite rich in silver, running at right angles to the vein on which they were drifting. The old drift will be continued and a drift started on the new vein.

There are four additional veins of importance on this property, three of cobalt and one niccolite, from the latter most of the ore shipped in 1908 was produced.

Underground Work.

134 feet of sinking, $30	$ 4,020 00
18,000 cubic feet of stoping, 11c	1,980 00
3,138 feet of drifting, $8.61	27,018 18
Fuel, oil, waste and labour in power house	18,246 00
Other surface labour	20,000 00

The average drifting per drill per month was 78½ feet.

Production—

1908, shipped 52 tons silver ore, 224 tons cobalt ore. Net return	$54,904 00
1909, shipped 39.43 tons silver ore. Net return	7,277 64
31.50 tons mixed ore, estimated	11,000 00
Total	$73,181 64

On hand October 8th, a large tonnage of mixed ore high in cobalt and of uncertain value owing to market conditions.

Since the last annual statement have received about $18,000, including the last shipment. This more than covers the expenditure during the period for development.

This property was purchased by sealed tender from the Ontario Government on December 27, 1906, for $1,085,000. The purchase was made by a syndicate of about 675 members.

The company was at once organized with a capital of 5,000,000 shares, 3,635,000 of which were issued to the syndicate in payment for the property, each syndicate subscriber receiving three shares of stock in this company for each dollar subscribed. 1,365,000 shares were placed in the treasury.

294,166 shares of treasury stock were issued at once and taken up largely by syndicate subscribers at 85 cents per share.

Market—1908, high, 25⅛c; low, 8½c; 1909, high, 19½c; low, 12½c.

Cobalt Silver Queen, Limited

(Incorporated April 6th, 1906, under the Laws of Ontario.)

Head Office—Traders Bank Building, Toronto, Ont.

Mines—Cobalt, Ont.

Directors—Lt.-Col. John I. Davidson, Toronto, President; Frank L. Culver, Toronto, First Vice-President; R. W. Gordon, Pembroke, Second Vice-President; J. H. Stephens, Toronto; A. J. Young, North Bay.

Secretary-Treasurer and General Manager—J. H. Stephens.

Superintendent—Robert Bryce.

Capital Authorized and Issued—$1,500,000. Par value, $1.00.

Transfer Office—Cobalt Consolidated Mines, Limited, Traders Bank Building, Toronto.

Annual Meeting—Fourth Wednesday in April.

Dividends—

8 per cent., paid January 15, 1907	$120,000
May, 15, 1908, 3%, with a bonus of 2%	75,000
August 15, 1908, 3%, with a bonus of 2%	75,000
December 1, 1908, 3%	45,000
	$315,000

STATEMENT, March 31, 1908:

Liabilities—

Capital Stock, 1,500,000 shares of $1 each, authorized and issued	$1,500,000.00
Sundry creditors	7,298.71
Unclaimed dividends	535.12
Wages Unpaid	305.12
Balance from Revenue Account	6,085.51
	$1,514,224.46

Assets—

Stormont Mine		$1,425,000.00	
Add, expended on buildings, etc., to date, less depreciation		15,388.82	
			$1,440,388.82
Plant and mine equipment, less depreciation			18,578.86
Office, etc., furnishings (Cobalt and Toronto), less depreciation			1,477.52
Sundry equipment, less depreciation, horses, vehicles, harness, etc.	$823.77		
Assay laboratory	549.91		
			1,373.68
Mining supplies, fuel, etc., on hand as valued by mine manager			4,020.14
Sundry debtors (smelter certificates, power, rental, etc.)			7,751.56
Ore on hand and at smelters as estimated by General Manager (Subject to realization)		13,000.00	
Dump estimated at		25,000.00	
Cash in bank (net) and on hand		2,633.88	
			40,633.88
			$1,514,224.46

Location and Area This company owns 58 acres, described as part of the S. ½ of Lot 7, Concession 5, Coleman Township, located half a mile south-west of the town of Cobalt.

Formation—85% of this area is in the Keewatin. On the eastern end of the property the lower Huronian conglomerate overlies the older formation. The silver values so far encountered are all in the conglomerates.

Veins and Development—A number of veins have been found, two of which have shown silver values.

Vein No. 1—Approximately 1,000,000 ounces of silver have been produced from Vein No. 1, or over 90% of the production of the company.

The main working shaft is sunk on this vein to the depth of 150 feet, with levels at 75 feet and 125 feet. Considerable cross-cutting has been done at both levels.

The main ore body has been stoped out to the underlying Keewatin, where the vein loses its silver values.

Vein No. 2—Has produced less than 100,000 ounces of silver. This vein has been developed from the main shaft by a cross cut at the 75 foot level. The ore body is practically all stoped out.

Vein No. 3—A shaft has been sunk on a calcite lead to the depth of 86 feet, and 320 feet of drifting done at the 75-foot level, without encountering any ore bodies.

The underground development work on the property includes 400 feet of sinking, 1,940 feet of drifting and 1,600 feet of cross-cutting.

The known ore bodies on this property have been practically all extracted. There still remains a small amount of high grade in the main vein. The dump contains some low grade ore.

Further development work may locate new ore bodies. The company has now 36 men employed surface trenching. The main shaft will be sunk to a depth of 400 feet.

Equipment.—The plant consists of one 12-drill, compound air compressor two 60 h.p. and one 80 h.p. boilers, hoisting machine, electric plant, cook house and sleeping camps, office, superintendent's residence, three workmen's cottages, stables, blacksmith shop, and other necessary buildings.

Production

Year.	Tons.	Ounces of Silver.	Net Returns.
1905	44.73		
1906	130.94	195,806	
1907	478.57	182,986	
1908	885.70	588,850	
1909 to October 1st	319.60	128,219	
	1,859.54	1,095,861	

On October 8th shipped one 44-ton car, estimated 90,000 oz.

Market.—1908 high, $1.31; low, $0.66. 1909, high, $1.00; low, $0.21.

The Coniagas Mines, Limited

(Incorporated under the Laws of Ontario.)

Head Office—St. Catharines, Ont.

Mines—Cobalt, Ont.

Transfer Office—Toronto General Trusts Corporation, Toronto.

Directors R. W. Leonard, C.E., St. Catharines, Ont., President and General Manager; Milton L. Hersey, M. Sc., Montreal, Vice-President; Alex. Longwell, B.A., Toronto, Ont.; F. J. Bishop, Brantford, Ont.; Welland D. Woodruff, St. Catharines, Ont.; J. J. Mackan, Secretary-Treasurer.

Capital Authorized and Issued—$4,000,000. Par value, per share, $5.00.

Annual Meeting—In December.

Dividends—

			Bonus		
1907	May 1	2%			$80,000
	June 1		1		40,000
	July 1	2%			80,000
	September 1	2%			80,000
	November 1	2%			80,000
1908	January 1	2%			80,000
	March 1	2%			80,000
	May 1	2%			80,000
	July 1	2%			80,000
	November 1	3%			120,000
1909	February 1	3%			120,000
	May 1	3%			120,000
	November 1	3%			120,000
		28	1	29	$1,160,000

FINANCIAL REPORT FOR THE YEAR ENDING OCT. 31ST, 1909

ASSETS.

Mine and minerals	$3,985,700 00
Inventory, office furniture, St. Catharines	200 00
Inventory, office furniture, Cobalt	300 00
Machinery and plant	84,788 82
Coniagas Reduction Co. stock	100,000 00
Camps and buildings	9,366 34
Camp equipment	2,506 01
Inventory, provisions, etc.	1,062 73
Fire insurance	2,257 08
Contingent fund	4,213 75
Imperial Bank	128,477 34
Petty cash	44 01
Redington drill	750 75
Coniagas Reduction Co.	151,971 85
Buffalo Mines, Limited	7 50
	$4,561,626 18

LIABILITIES

Capital stock	$4,000,000 00
Unclaimed wages	52 26
Directors' fund	1,500 00
Dividend payable	120,000 00
Leonard, R. W.	60 00
Surplus	440,013 92
	$4,561,626 18

I have examined the above statement of Assets and Liabilities and have found same correct

R. POWLIE,
Auditor

WORKING ACCOUNT.

To Head office and administration	$14,368 50	By Camp revenue	$13,178 23
" Mines office and supervision	10,200 13	" Ore revenue	674,889 27
" Camp expense	15,261 65	" Cash discounts	62 35
" Land- and roads	2,005 66	" Interest	714 20
" Mining	78,274 57	" Rent	2,435 85
" Fuel, oil and waste	29,842 56		
" Milling and sorting	39,143 63		
" Sale of ore	8,670 19		
" Legal expenses	2,720 33		
" Transportation and travelling	351 15		
" Taxes and royalties	13,330 69		
" Loss and Gain	477,410 84		
	$691,579 90		$691,579 90

LOSS AND GAIN.

To Dividend	$120,000 00	By Balance, Oct. 31, 1908	$326,480 30
" Employees' bonus	2,474 98	" Sundries	97 76
" Dividend	120,000 00	" Working account	477,410 84
" Dividend	120,000 00		
" Directors' fund	1,500 00		
" Balance	440,013 92		
	$803,988 90		$803,988 90

Location, Area, and Formation—The property of this company consists of 40 acres, known as J.13.6, in the Township of Coleman, adjoining the town of Cobalt.

The formation on about 90 per cent. of this property is Lower Huronian conglomerate, on the remainder the Keewatin, which underlies the Huronian, is exposed. The depth of the Huronian varies from a few feet dipping to the east to a proven depth of 250 feet, and is probably much deeper in places. The silver values are confined to the Huronian, the veins losing their values when the Keewatin is reached.

Veins and Development—Approximately 16 of the 40 acres have been developed. In this area, fifteen distinct veins and a number of offshoots have been located. The general trend of the producing veins is east and west. While these veins are generally very narrow the zones of enrichment made by the numerous offshoots and parallel veins are, in some places, 20 to 40 feet wide. The values in the narrow veins are high and the rock between the veins shot with native silver, making a large tonnage of concentrating ore.

Two main shafts have been sunk and connected at the 75 foot and 150 foot levels about 3,500 feet of drifting and cross cutting has been done at the first level, 2,500 feet at the second level, and 750 feet of shafts and winzes.

Vein No. 2, which is a continuation of the 4th of July Nipissing vein, has been drifted on for 750 feet on the 75 and 150 foot levels, showing four to six inches of high grade and a large quantity of low grade ore.

The concentrating ore is raised from shaft No. 2 and taken directly to the mill.

Equipment—A 12 drill compressor; two 100 h.p. boilers, machine shop, concentrating mill, well equipped bunk houses, offices, manager's residence and 35 dwellings for employees.

Concentrators—A thirty stamp mill with a capacity of 80 to 90 tons of concentrating ore per day is in operation. Thirty additional stamps are being installed, which will increase the capacity to 160 tons per day as soon as electric power is available, probably by December next.

The ore sent to the mill averages between 80 and 100 ounces. A reduction of about 40 to 1 is made and an extraction of 80 to 85 per cent.

Production—Total to Oct. 1st, 1908, 3,444,000 ounces.

Fifty tons of high grade ore, running about 2,000 ounces, and 50 tons of concentrates averaging 1,500 ounces are produced monthly.

Ore Reserves—The estimate of ore reserves to Oct. 31, 1909, include over 12,500,000 ounces of high grade ore blocked out. The net value of the ore blocked out at present is estimated at over $5,000,000.

Smelter—The Coniagas Mines, Limited, owns the issued stock of The Coniagas Reduction Company, Limited, with the exception of six shares, issued to directors to qualify.

The works of this company at Thorold are now handling the product of the mine and are running commercially as regards the production of refined silver and refined white arsenic, and the company expects to place refined cobalt oxide and nickel oxide on the market very shortly, thus refining and marketing all the valuable constituents of ores by a process which is confidently expected to yield a substantial profit.

Market: 1906, high, $8.50; low, $3.30. 1907, high, $5.00; low, $3.50. 1908, high, $7.20; low, $3.95. 1909, high, $6.75; low, $5.50.

THE CONIAGAS REDUCTION COMPANY, LIMITED.

(Dominion Government Charter.)

Authorized Capital—$250,000. Par value, $100.

Directors—R. W. Leonard, St. Catharines, Ont., President; Alex. Longwell, Toronto, Ont., Vice President; Milton L. Hersey, Montreal, Que.; F. J. Bishop, Brantford, Ont.; Welland D. Woodruff, St. Catharines, Ont.; R. L. Peck, Thorold, Ont.

Crown Reserve Mining Company, Limited.

(Incorporated under the Laws of Ontario)

Executive Office—Montreal, Que.

Mines—Cobalt, Ont.

Directors—Lt. Col. J. Carson, President; W. L. Gear, 1st Vice President; C. E. Potter 2nd Vice President; J. G. Ross, J. R. Laurendeau, D. W. Lockerby, C. A. Smart, A. G. Gardner, Z. Gallagher, H. H. Lyman, Jas. Cooper, Robert Reford; Secretary-Treasurer, James Cooper; Manager, Samuel Cohen, Cobalt, Ont.

Capital Stock—Authorized, $2,000,000; issued, $1,999,957. Par value per share, $1. 231,143 fully paid up shares of $1 each of the above amount are held by Trustees for the benefit of the company.

Annual Meeting—Second Wednesday in January.

Transfer Offices—Montreal Trust and Deposit Company, Toronto, and Montreal.

Dividends—

1.	July 2, 1908	% 4			$70,752.56
2.	Jan. 15, 1909	% 12	Bonus	4—	283,010.24
3.	April 15, 1909	% 6	"	9—	265,322.10
4.	July 15, 1909	% 6	"	9—	265,322.10
5.	Oct. 15, 1909	% 6	"	9—	265,322.10
6.	Dec. 23, 1909		"	10—	176,881.40
		34	"	41 75%	$1,326,610.50
	Payable Jan. 15, 1910	6	"	9—	265,322.10
					$1,591,982.60

Production During the year ending December 31, 1908, the production was as follows:

Total shipments, 1908	Weight (lbs.)	Ounces Silver	Gross Value	Freight and Treatment	Net Value
High Grade	700,881	1,645,570.13	$33,604.57	50,433.80	783,170.77
Low Grade	661,689	53,384.85	26,746.05	5,127.93	21,619.12
On hand Dec. 31, 1908	40,000	100,000.00	50,000.00		50,000.00
Total	1,301,570	1,798,954.98	910,350.62	55,561.73	$854,788.89

Value of Ore Per Ton

High Grade . . . 4,156.71 oz
Low Grade . . . 231.25 "

Cost of Ore

Operating expenses, including development and all [illegible] except construction . . . $50.406.76 per oz. 2.802 c
Marketing expenses, including smelting, treatment, Head Office expenses . . . $4,666.80 " 4.706 c

Total Expenses . . . . . $ 5,073.56 " 7.508 c

Total cost of Buildings, Plant and [illegible] $71,000.00
After paying dividends amounting to $37,762.70
And Royalties to the Government 32,357.03
A balance of $347,117.57 was carried [illegible]

STATEMENT

For the six months [illegible] 1909

[illegible] cars of ore were shipped during that period, [illegible] cars being high grade and 37 being low grade, of a total $895,855.00
Operating expenses for the same period were $2,441.73

$893,413.27
Less Royalty to the Ontario Government for the same period $0,626.95

Showing a net profit on operations for the six months of $732,786.32

Out of this amount, dividend cheques have been mailed to the shareholders, as follows:

April 14 . . . $265,322.10
July 14 . . . 265,322.10
. . . $530,644.20

Leaving a net balance of . . . $202,142.12

Surplus, December 31, 1908 . . . $347,117.57
Surplus as above . . . 202,142.12

Surplus at 30th June 1909 . . . $549,259.69

During the six months ending 30th June, 1909, there was expended on new buildings, plant, and equipments, the sum of $40,198.23

From June 30th to September 31st it is estimated that ore to the value of $468,511.00 has been shipped.

The operating expenses for this period have been approximately $80,000.00, and the Royalty to the Government about $42,000.00, leaving an estimated net profit for the period of $418,511.00.

Total surplus on September 1st, 1909 . . . . . $967,770.61

Statement for nine months ending September 30th shows gross output:—

1,000,000 ozs., net value about $1,390,000.00
Operating expenses, about 160,000.00
Royalty, about 130,000.00

Net profit for nine months ending September 30, about $1,100,000.00

The annual statement for the year ending January, 1910, is not yet available, but figures furnished by the management show that in twenty two months the mine produced an average of over 260,000 ounces of silver per month. During 1909 the mine shipped 3,163.98 tons of ore containing about 4,000,000 ounces of silver, making a total less than two years of 5,750,000 ounces. The average cost of silver produced during the two years in which the mine has been operated is under 10c per ounce.

Location and Area—The property of this company consists of 23 acres of the bed of Kerr La , all of which was covered by water. By means of a ditch 500 feet long the lake was lowered 8 feet, exposing about three acres of rock and soft marl. A vein, discovered by Crown Reserve diamond drill, which had been uncovered on the Silver Leaf property near the line was trenched on the Crown Reserve property and an open cut made on what is now known as the main, or Carson vein, from this open cut 30 feet long and 50 feet deep $250,000 in high grade ore was extracted. A shaft has been sunk from the bottom of the open cut to the 200 foot level and connected at 100 and 200 foot levels with a working shaft, which was sunk 200 feet east of the open cut. Drifts have also been made on the vein 100 feet east from the working shaft to the Kerr Lake line. These workings have developed an ore body 286 feet long and 200 feet deep, with rich ore showing at the lowest level. This ore body averages over 12 inches in width and is the richest so far developed in the Cobalt district. It is estimated that ore to the value of more than $7,000,000 has been blocked out on the Carson vein alone.

The overlying formation where uncovered on this property is lower Huronian slate, at a depth of 166 feet the Keewatin is encountered. The vein while not so strong carries high silver values to the 200 foot level and in the bottom of this drift at this level shows rich ore for the entire distance. Some stoping has been done above the 100 foot level but below this is virgin ground. In addition to the main vein 24 additional veins have been located the cross cut north from the main vein and east along the Kerr Lake Company's north line.

Development—The management has laid out a comprehensive plan of development. The cross cuts are being driven with the idea of cutting the bottom of the lake into about ten sections. The main cross cut running east and west will be about 2,000 feet in length. At 500 foot intervals cross-cuts at right angles to this will be driven to the shore and there upraises made to the surface for air. At different points in the mine workings concrete frames with solid wood doors are being put in so that any part of the mine can be isolated without interfering with the rest of the working. The No. 1 cross cut, which is now 560 feet long, has cut eight distinct silver-bearing veins from one-half to three inches in width, and assaying as high as 3,100 ozs. to the ton.

Equipment—This property is fully equipped with office, bunk house to accommodate 200 men, cook house and dining room for the same number, shaft house and head frame, power house, boiler shop, carpenter shop, machine shop, assay and engineering office, ore house with complete machinery for crushing and hand sorting, furnace and bullion house, barns, and so forth. The method used in ore house is as follows: The high grade is sorted underground, and the remaining ore is crushed to a 2-inch size, a trommel takes out the half inch size, which is shipped as screenings, the one inch is jigged and the over size is picked on a moving belt. By this simple method a saving of about 95 per cent. of the value of the ore is made, and the dump from the ore house is being stored up to be concentrated at some future time. All nuggets from the ore house are melted into bullion at the mine. The buildings are all steam heated and electric lighted. The mine is also lighted by electricity.

On October 4th, 1909, The Crown Reserve Company leased the Silver Leaf mine for five years with an option for renewal for five years. The royalty for the first period is 25 per cent., for the second 35 per cent.

The Crown Reserve contracts to expend $20,000 on the property during the first year and $10,000 per year thereafter.

Market, 1908, high, $2.88; low, $0.15. 1909, high, $6.00; low, $2.60.

Foster Cobalt Mining Company, Limited.

(Incorporated under the Laws of the Province of Ontario.)

Head Office—Confederation Life Building, Toronto, Canada.

Transfer Office—National Trust Company, Toronto, Ont.

Directors—John G. Kent, Toronto, President; E. F. B. Johnston, K. C., Toronto, Vice-President; Joseph Oliver, Toronto; Simon Dyment, Barrie; C. Jackson Booth, Ottawa; W. Hamilton Fisher, Montreal. General Manager and Secretary, Geo. H. Doran, Toronto.

Authorized Capital—$1,000,000. Issued, $915,488. Par value per share $1.00. Scrip.

Annual Meeting—First Wednesday in November.

Dividends Paid—Interim 5 per cent. January 2nd, 1907.

Property—Part of Lot 4, Concession 4, Township of Coleman, 40 acres. About 22 acres land, the remainder under surface of Glena Lake.

On October 25,1909, the President of the company issued the following statement:

Your directors beg to report that during the early part of the year development work was carried on underground and a considerable progress made, but owing to the fact that while the veins continued to show up well, no values of any account were opened up. It was found necessary in April last to arrange for the carrying on of the work in some other way, as all of the available cash of the company had been exhausted. After duly considering several offers, it was decided to accept that of Messrs. * Thos. Nevins & Son, of New York, as being the most favourable. A five years' working agreement was made with them by which they were to expend twenty five thousand dollars, ($25,000.00) during 1909, and to carry on work continuously for the balance of the term. Under the agreement, the Foster is to receive 50 per cent. of the net profit during each year, up to one hundred thousand dollars. No working expense of any kind is chargeable to the Foster, so that in the event of no profit accruing, the Foster property will remain intact.

*For the Argentum Mines, Limited.

Up to the present time a force of about forty men has been employed by the lessees, and a great amount of underground development work, as well as surface trenching has been done.

The lessees report the finding of several veins near our eastern boundary, and it is hoped that with development good results may be obtained.

The veins above mentioned added very materially to the value of the property. The surface showings were exceedingly promising.

The question of depth of enrichment, which has been disappointing on many of the Foster veins, is yet to be proven. A quantity of high-grade ore can, however, be counted on. The shipments for 1909 amounted to 133 tons.

The shipments from this property have amounted in all to about 800 tons.

One dividend of 5 per cent. was paid on January 2nd, 1907, amounting to $45,774.

Balance Sheet, September 30th, 1909.

Assets.			Liabilities.		
Cash on hand and in bank		$2,174.69	Accounts payable		$720.00
Due from ore sales		4,840.00	Standard Bank overdraft		7,236.50
Accounts receivable		68.25	Dividends unclaimed		172.30
Camp buildings	$9,441.47		Capital stock paid in	$915,588.00	
Power plant	7,098.99		Profit and loss account	3,971.08	
Camp equipment	648.18				919,559.03
Mine equipment	2,112.96				
Stable equipment	287.70				
Office furniture at mine	422.19		Authorized capital stock in shares of $1.00 each	$1,000,000.00	
Office furniture at Head office	593.40		Shares outstanding	915,588.00	
		20,604.89	Treasury shares	84,412.00	
Mine property		900,000.00			
		$927,687.83			$927,687.83

Operating Account for Period Ending September 30th, 1909.

Ore extraction	$7,002.80	Ore sales	$5,271.07
Development	24,537.50	Boarding	1,292.05
Assaying	23.00	Rents	191.80
Freight and ore shipment expense	1,436.83	Balance carried down	47,523.34
Stable expense	412.00		
Insurance, taxes and surveys	2,175.85		
Maintenance and depreciation of plant, buildings and equipment	6,526.81		
General expenses	5,039.19		
Legal expense	200.00		
Travelling expense	404.25		
Interest and exchange	172.58		
Shrinkage in value of ore shipments, 1908	6,347.45		
	$54,278.26		$54,278.26

Profit and Loss Account

Balance from operating account, 1909	$47,523.34	Balance brought forward from 1908	$51,494.37
Balance as per balance sheet	3,971.03		
	$51,494.37		$51,494.37

Market 1908, high, $0.89, low, $0.35. 1909, high, $0.70½; low, $0.22

Hargraves Silver Mines, Limited.

(Incorporated November 3, 1908, under the Laws of the Province of Ontario.)

(No Personal Liability.)

Head Office—19 Melinda Street, Toronto.

Mine Office—Giroux Lake, Ont., Canada.

Transfer Agents and Registrars—Trusts and Guarantee Co., Limited, Toronto; Security Transfer and Registrar Company, New York.

Directors—W. N. Ferguson, Toronto, President; H. J. Tough, Toronto, Vice-President; R. D. Moorhead, Toronto, Sec.-Treasurer; Harcourt Ferguson, Toronto. Engineer and Manager, E. V. Neelands.

Authorized Capital—$2,500,000.00.

Property—Two 40 acre claims held under Crown Patent, described as the S. W. ¼ of N. ½ of Lot 2, Concession IV, Coleman, and the N.W. ¼ of S. ½ of Lot 3, Concession IV, Coleman.

These two 40 acre claims were purchased from the White Silver Company. Owing to litigation regarding title very little development work had been done prior to the purchase by the Hargraves Company in the fall of 1908. The litigation was settled by an arrangement whereby the owners agreed to pay to the Ontario Government a 25 per cent. royalty on all ore produced. This agreement is still in effect and all ore produced by the Hargraves Company is subject to this royalty.

No. 3 Vein—When the Hargraves Company took over the property, the ore shoot in the extension of the Kerr Lake No. 3 vein was the only known ore body on the property. This ore shoot was practically all taken out by the White Silver Company. The efforts of the management have been very largely expended on the development of this vein. The main shaft has been sunk to the depth of 382 feet, with 643 feet of drifting and 241 feet of cross cutting at various levels. At the 375-foot level a rich ore shoot was encountered and developed for 35 feet. The ore body is from 1 to 6 inches wide, and assays about 3,000 ounces of silver to the ton. Underground development work on this vein will be pushed with good chances of locating another ore shoot.

No. 1 Vein—The No. 1 Vein is in the N.W. corner of the east lot and extends into the Kerr Lake and Drummond properties. A shoot 35 or 40 feet long, of high-grade silver ore, was uncovered by surface trenching. While results from development work on this vein have not been as satisfactory as the surface showing indicated, the ore body in the lower Huronian formation, which underlies the diabase in this locality, is very promising, and the management hope to develop an important ore shoot.

A total of sixteen veins have been located on the property. During the six months that surface prospecting was carried on this summer eleven veins were located.

Extract From Manager's Report—Power.

"..... Electrical and compressed air power is now being developed by two power companies, who promise delivery before the end of winter, at a price that will cut our present power costs about in half. When the power is available, by your present arrangement with the Drummond Mine, your company will have avoided the entire cost of a plant, with no loss of efficiency in your operations during the past year.

Surface Improvements—It has been the policy of the management to confine operations as much as possible to the actual search for ore. For this reason all expenditure has been avoided, except only what was necessary to secure a maximum amount of development for the smallest outlay. It has been found necessary, however, to add this year the No. 1 shaft house and blacksmith shop, an ore house at No. 3 shaft, an office building and a dwelling house for the mine captain. The expenditure involved in these improvements was about $2,500.00.

Summary—While the property has not yet advanced to the rank of a shipping mine, the year's work may be regarded as having been satisfactory. Valuable ore bodies have been discovered at two widely separated points, and the history of the adjacent mines working similar veins, argues for the success of your property."

Income and Expenditure Account to December 31, 1909.

Receipts.		Disbursements.	
Cash contributed to Treasury by vendors of mining property...	$90,000.00	Cost of production and development	$21,989.33
Interest	524.15	Power	11,024.77
		Expense	4,726.99
		Salaries	3,255.07
		Boarding House	3,084.59
		Prospecting	5,920.41
		Property and Plant	8,737.19
		Office Equipment	512.85
		Balance of Cash in Bank	31,273.02
	$90,524.15		$90,524.15

Certified as correct.—

C. L. Knuth, Accountant.
R. D. Moorhead, Treasurer.

Balance Sheet, December 31, 1909.

Liabilities.		Assets.	
Capital Stock,	$2,500,000.00	Mining Property,	$2,500,000.00
Bills Payable	1,812.77	Accounts Due,	6.00
Balance Assets over Liabilities,	58,963.82	Building and Equipment	19,497.57
		Ore on Hand (estimated),	10,000.00
		Cash in Bank	31,273.02
	$2,560,776.59		$2,560,776.59

The Kerr Lake Mining Company, Limited.

(Incorporated under the Laws of the State of New

Head Office—42 Broadway, New York.

Mine Office—Cobalt, Ontario, Canada.

Transfer Agents. The Bankers Trust Co., New York; Federal Trust Co., Boston, Mass.

Registrars—The Equitable Trust Co., New York; Old Colony Trust Co., Boston, Mass.

Directors—Edward Steindler, President; J. A. Lewisohn, Vice-President; J. H. Susmann, Secretary Treasurer; Adolph Lewisohn, J. J. Steindler, W. P. Ward, Benjamin B. Lawrence, J. Parke Channing; Mine Manager, S. R. Heakes.

Annual Meeting—Second Tuesday in October.

Capital, Authorized and Issued—$3,000,000. 600,000 shares at $5.00, par value.

Dividends and Earnings—

No.	Date of Payment.	Per Cent.	Amount per Share.	Total Amount of Dividends.
1	October 4th, 1905	½%	2½c	$15,000
2	January 16th, 1906	½%	2½c	15,000
3	February 14th, 1906	1%	5c	30,000
4	April 12th, 1906	1%	5c	30,000
5	October 5th, 1906	2%	10c	60,000
6	April 1st, 1907	2%	10c	60,000
7	July 1st, 1907	3%	15c	90,000
8	October 1st, 1907	3%	15c	90,000
9	January 14th, 1908	3%	15c	90,000
10	April 2nd, 1908	3%	15c	90,000
11	June 30th, 1908	3	15c	90,000
12	September 19th, 1908	3%	15c	90,000
13	December 15th, 1908	3	15c	90,000
14	March 15th, 1909	4	20c	120,000
15	June 15th, 1909	6%	30c	180,000
16	September 15th, 1909	6%	30c	180,000
17	December 15, 1909	7%	35c	210,000
		51%	$2.55	$1,530,000

The net profits for the year ending August 31st, 1909, were $1,129,047.54. During the year dividend disbursements amounted to $480,000. The monthly production amounted to 222,387 ounces. The company expects to increase this during the coming year.

Property—The property of the Kerr Lake Mining Company consists of 56.96 acres, including the "Jacobs" Mine, situated south of and adjoining Kerr Lake, and a 4.96 acre fraction south of the Lawson mine.

The Kerr Lake Company also has a working option on the control of the Kerr Lake Majestic Mines Company, situated north of and adjoining Kerr Lake.

The Kerr Lake (Jacobs) Mine.

Formation—The formation on this property is Lower Huronian covered on the south half of the property by a flow of diabase.

General—This property is one of the oldest of the producing mines and one of the first to pay dividends. The financial statement for the year ending August 31st, 1909, is very satisfactory. The cost of production and marketing, less than 12½ cents per ounce, is remarkable even for the Cobalt district.

This company also has the distinction of shipping ore of a higher average grade than any other mine in the Camp.

Veins and Development—Six important veins and a number of promising prospect leads have been located on the property.

Four working shafts are in operation. During the year ending August 31st 1909, 6,636 feet of underground development work was done, making a total of over 12,000 feet in two years. The deepest workings in the Cobalt camp are on No. 3 Kerr Lake vein, located in the formation near the south-east corner of the property. At the depth of 360 feet the ore is being produced. No. 7 vein is in the Lower Huronian slate. Near Kerr Lake the silver values in this vein have been remarkably uniform. From the 150-foot level a drift 250 feet long produced this year 94,000 ounces of silver. This vein has also been developed at the 250-foot level with favourable results. Veins Nos. 3 and 7 have practically all of the ore so far shipped. During the year two new veins, carrying high silver values were encountered.

Production

Year	Tons.		Oz. of Silver.
1905	59.95	To August 31st	90,713.43
1906	158.35	" " "	189,214.03
1907	319.76	" " "	753,913.92
1908	660.24	" " "	1,473,712.07
1909	832.56	" " "	2,668,648.00
Total	2,026.16		5,176,201.45

During the fiscal year ending August 31st, 1909, the production amounted to 2,668,648 ounces of silver produced from 1,072 tons of ore (averaging 2,489 ounces), and 600,000 pounds of screenings. The gross value of this production is at 50 cents per ounce $1,334,324.00. The monthly production averaged 222,387 ounces of silver.

The cost per ounce is given as follows:—

Cost at Mine, including all development expense,	7.26 cents.
Shipping, treatment and sundry costs, per oz.,	5.12 cents
Total,	12.38 cents.

There are on hand at mine 79,105 ounces of silver in ore mined.

INCOME AND EXPENDITURE ACCOUNT—FOR YEAR ENDED AUGUST 31ST, 1909.

Administration and general expenses		$32,739.18	Dividends received from Kerr Lake Mining Company, Limited	$500,000.00
Dividends paid during year—			Interest	696.68
No. 12, 3% paid Sept. 19, 1908	$90,000.00		Balance to Balance Sheet	12,042.50
No. 13, 3% paid Dec. 15, 1908	90,000.00			
No. 14, 4% paid March 15, 1909	120,000.00			
No 15, 6% paid June 15, 1909	180,000.00			
		480,000.00		
		$512,739.18		$512,739.18

BALANCE SHEET—AUGUST 31ST, 1909.

Assets.		Liabilities.	
Kerr Lake Mining Company, Limited, of Ontario— Shares acquired in consideration of issue of Capital Stock of this Company, as per contra	$3,000,000.00	Capital Stock— Authorized—600,000 Shares of $5 each $3,000,000.00	
Cash	21,474.25	Issued and Outstanding—600,000 Shares at $5 each	$3,000,000.00
Interest Accrued	114.57	Reserve for Outstanding Liabilities	500.00
Profit and Loss—Balance of Income and Expenditure Account, as above	12,042.50	Kerr Lake Mining Company, Limited— Current Account	33,131.32
	$3,033,631.32		$3,033,631.32

OPERATING AND PROFIT AND LOSS ACCOUNT—FOR THE YEAR ENDED AUGUST 31ST, 1909.

Cost of production and development		$200,050.35	Proceeds of Ore Sales	$1,191,281.15
Shipment, Treatment, and other charges		47,288.60	Less:	
Administration and General Expenses—New York		10,157.88	Ore mined on hand and in transit, August 31st, 1908, estimated value	90,000.00
Balance, being Profit, carried to Balance Sheet		1,129,047.54		$1,101,281.15
			Add Ore mined on hand and in transit, August 31st, 1909, estimated value	281,009.00
				$1,382,290.15
			Interest	4,254.22
		$1,386,544.37		$1,386,544.37

BALANCE SHEET—AUGUST 31ST, 1909

Assets.

Mine Property		$55,000.00
Buildings, Plant and Equipment		27,171.40
Inventory of Materials and Supplies		2,296.75
Ore Sold but Unsettled for, estimated to produce		118,417.47
Ore on hand at Mine and in transit, estimated to produce	$281,009.00	
Less: Paid on account Lot 66	56,114.16	
		224,894.84
Bank Interest accrued		1,741.45
Kerr Lake Mining Company of New York—Current account		33,131.32
Kerr Lake Majestic Mines, Limited, Shares at cost		80,000.00
Kerr Lake Majestic Mines, Limited, current account		12,891.83
Cash		475,888.80
		$1,031,433.86

Liabilities.

Capital Stock: 400 shares of par value of $100.00 each		$ 40,000.00
Accounts Payable		8,493.12
Accrued Wages		7,419.60
Reserve for Accrued Taxes		10,893.06
Reserve for Outstanding Liabilities		2,500.00
Surplus: Balance, Sept. 1, 1908	$ 333,169.94	
Profits for year ended Aug. 31, 1909, as per Operating and Profit & Loss Account	1,129,047.54	
	$1,462,217.48	
Deduct: Dividends paid during the year*	500,000.00	962,217.48
*Exclusive of Dividend of $190,000.00 paid Sept. 15, 1909		
		$1,031,433.86

Market, 1907, high, $5.25; low, $3.80. 1908, high, $7.80; low, $2.60. High to Oct. 31, 1909, $9.40; low, $7.00.

LaRose Consolidated Mines Company,

(Incorporated under the Laws of the State of Maine.)

Head Office—165 Broadway, New York.

Transfer Agents and Registrars Bankers Trust Company, transfer agents, New York; Morton Trust Company, registrars, New York; Toronto General Trusts Corporation, Toronto, Ont., Canada; Montreal Trust Company, Montreal, Que., Canada.

Counsel—Richard T. Greene, New York; David Fasken, Toronto, Ont.; Victor E. Mitchell, Montreal, Que.

Directors D. Lorne McGibbon, Montreal, Que., President; Victor E. Mitchell, Montreal, Que., Vice-President; Richard T. Greene, New York, Secretary; E. P. Earle, New York; Duncan Coulson, Toronto, Ont.; Alexander Pringle, Montreal, Que.; David Fasken, Toronto, Ont.; G. W. Stevens, Montreal, Que.; Shirley Ogilvie, Montreal, Que.

Treasurer John Josten, New York City.

Authorized Capital $7,500,000—1,500,000 shares, $5.00 each. Outstanding Oct. 1, 1909, 1,498,464 shares.

Dividends.

No. 1—Oct. 20th, 1908,	4	$171,[illegible]59
No. 2—Jan. 20th, 1909,	4	228,840.66
No. 3—Apr. 20th, 1909,	4	228,886.20
No. 4—July 20th, 1909,	4	299,527.80
No. 5—Oct. 20th, 1909,	4	299,692.80
Declared No. 6—Dec. 20th, 1909,	2	149,846.40
Total paid and declared,	22	$1,378,297.00

The La Rose Consolidated Mines Company owns all of the stock of the La Rose Mines, Limited; the Lawson Mines, Limited, and the Violet Mining Company; and 98 per cent of the stock of the University Mines, Limited, a total of 359.5 acres, divided as follows

LA ROSE MINES, LIMITED

La Rose Mines	37	acres
La Rose Extension	36	"
Princess Mine	17	
Fisher Claim	20	"
Epplett Claim	20	"
Silver Hill Claims	93.5	"

UNIVERSITY MINES, LIMITED

University Mine	56	acres

VIOLET MINING COMPANY

Violet Mine	40	acres

LAWSON MINING COMPANY.

Lawson Mine	40	acres.
	359.5	acres

LA ROSE MINE.

The most important asset of the La Rose Consolidated, and one of the most valuable single mining claims in the Cobalt district, is the La Rose Mine. This property, consisting of 37 acres, situated in the heart of the most productive area of the Cobalt district, has, since the inception of mining in Cobalt, been a large and consistent shipper of high grade ore.

From July 1904, when operations were started, to June 1908, when the property was taken over by the Consolidated Company, 2,675,161 ounces of silver were produced, largely from development work, which netted the original owners $1,204,862.

The main vein on the La Rose Mine, or, more properly speaking, the main vein system, has been developed for over 1,100 feet on La Rose ground, and is the longest continuous ore body in the Cobalt district.

The veins which make up the main ore body vary in width from small stringers to over 20 inches and assay from 2,000 to 10,000 ounces of silver to the ton.

NO. 3 VEIN.

No. 3 vein, which is one of the spectacular surface showings of the Cobalt district, has been proven for 900 feet. From an open cut on this vein over one million ounces of silver were extracted prior to the consolidation. Between the open cut and the main vein the outcrop has been disclosed and shows four to five inches of ore averaging over 6,000 ounces to the ton. The ore taken from the open cut averaged 5,000 ounces to the ton.

Recent development work on the lowest level has shown that the silver enrichment extends through the Huronian into the underlying Keewatin and proved the existence of a large body of high grade ore.

THE McDONALD VEIN.

The McDonald, which is a continuation of the strongest vein on the O'Brien property, has been developed by a tunnel 80 feet below the outcrop and by a level from the main workings 70 feet below the tunnel level. The ore shoot on the lower level is considerably longer than on the tunnel level. The Watson and Watson report gave an estimate of 1,151,020 ounces of silver in ore developed and indicated in the McDonald vein. Over 225,000 ounces were produced in the year ending May 31st, 1909, from the upper tunnel alone and considerably more from the lower workings

NO. 10 VEIN.

The No. 10 vein produced over 200,000 ounces of silver during the year ending May 31st 1909 and has since that date been cut from the main workings 150 feet below the outcrop.

In addition to the above a number of cross veins, which carry high silver values, have been located.

CONCENTRATING ORE

In mining the rich but narrow veins in the Cobalt district, it is often necessary to take out over one foot of country rock for each inch of high grade ore extracted. The high grade ore, which in the La Rose Mine often runs as high as 10,000 ounces to the ton, is separated from the wall rock in the ore house. The mine rock, however, carries a certain amount of silver and the material, which has hitherto been thrown in the dump, is an increasingly important asset of the La Rose Company.

After careful tests it is estimated that the present dump at La Rose Mine contains 55,000 tons of milling rock which, after deducting cost of handling, concentrating and smelting, will net a profit of $330,000.

In addition to this, the mine is producing 100 to 130 tons daily of concentrating rock and screenings, which will yield from 2,500 to 3,000 ounces of silver per day, or, approximately, 810,000 ounces per annum, with a yearly net profit of about $200,000.

An agreement has been entered into whereby the Northern Customs Concentrators, Limited, contracts to concentrate the dump and low grade ores of the La Rose Company.

No. 11 Vein, Lawson Mine.

THE LAWSON MINE

The Lawson Mine was taken over by the company in April 1909. Trenching during the past summer disclosed several new leads, which, with the veins already located, make a total of over 2,000 feet of silver bearing veins exposed, undoubtedly the most remarkable surface showing in the Cobalt district.

While underground development on the main vein has to a certain extent been disappointing, recent developments on other veins have been most satisfactory.

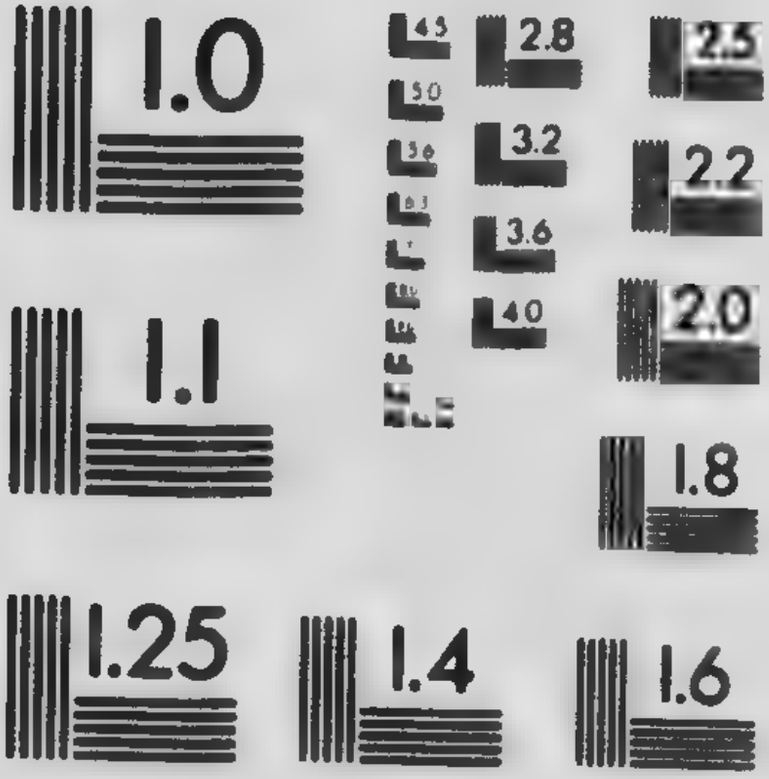
It is as yet impossible to make any estimate of the ore reserves on this property. The remarkable richness of the surface showings and the unusual number of veins already exposed, however, guarantee a large production of high grade ore.

PRINCESS MINE.

The Princess, which is surrounded by Nipissing, McKinley-Darragh, Silver Queen, and Little Nipissing, was practically an undeveloped prospect when taken over by the Consolidated, and with the exception of one 60 foot shaft and a short drift, from which 130 bags

MICROCOPY RESOLUTION TEST CHART

(ANSI and ISO TEST CHART No. 2)



APPLIED IMAGE Inc

1653 East Main Street
Rochester, New York 14609 USA
(716) 482 - 0300 - Phone
(716) 288 - 5989 - Fax

of ore had been produced, no development work and very little prospecting had been done.

Since this property was acquired by La Rose Consolidated, a shaft has been sunk to a depth of 150 feet with levels at 50 and 125 feet. Some high grade ore has been taken out from the first level, and the showing at the second level places the Princess Mine in the class of the producing properties of the Cobalt camp. The Princess is now a shipper and will be an important factor in the company's production.

During the fiscal year ending May 31st, 1909, this property produced 19,331.71 ounces of silver.

UNIVERSITY MINE.

The University Mine, which had shipped 231 tons of high grade ore prior to 1908, was not in operation when taken over by the Consolidated. Under the new management Vein No. 4 has been located, and a shaft has been sunk to a depth of 125 feet on a narrow, but rich vein. A drift at 95 feet on the vein has blocked out a body of ore. The University contributed during the year ending May 31st, 1909, 6,077.56 ounces of silver.

LA ROSE EXTENSION.

A 36 acre tract, lying north-east of the La Rose directly on the strike of the main La Rose vein, which has been drifted on to within 100 feet of the Extension line, is considered the most valuable unproven area in the Cobalt district. This claim is largely swampy, making surface prospecting almost impossible.

La Rose main vein has been proven for over 1,500 feet, (including the Southern Extension, which runs into the Right-of-Way.) Dr. Miller says in his report:—

"La Rose vein strikes, as shown by the direction of the drift, towards La Rose Extension, and, if continuous and keeps its present known course, passes through La Rose Extension about 40 feet west of the shaft sunk on this claim."

No development work has been done on this property since being taken over by the Consolidated; but the fact that La Rose main vein has been drifted on to within 100 feet of the Extension line indicates that underground work on this property will develop an important producing mine.

VIOLET MINE.

The Violet Mine, situated north of the Colonial and east of the O'Brien, has not been sufficiently developed to allow for any estimate of its value as a producer. A small amount of ore has been shipped, and the favourable location and formation warrant thorough development.

SILVER HILL, FISHER, AND EPPLETT.

These three properties have not yet been prospected. They are situated in the south east part of Coleman Township, near the Temiskaming, Beaver and Badger Mines, a district which is rapidly increasing in importance, and which may develop a number of shipping mines. Within the past six months several important discoveries have been made in South East Coleman which add greatly to the prospective value of these properties.

PRODUCTION, PROFITS AND DIVIDENDS.

During the 12 months ending May 31, 1909, La Rose Consolidated Mines Company produced 3,005,363.24 ounces of silver, 2,979,953.97 ounces of which came from the La Rose Mine, 19,331.71 ounces from the Princess Mine and 6,077.56 ounces from the University Mine. The gross value contained was $1,492,046.70 and the net value of the production, including about 25,000 received for cobalt and arsenic, was $1,320,147.92. The cost of producing silver averaged 16.31 cents per ounce, and the average selling price was 51 cents per ounce.

During the fiscal year dividends declared amounted to $633,089 divided into 3 quarterly dividends of 3% each and 2 bonuses of 1% each, a total of 11%.

In the six months from May 31st, to December 31st, 1909, this company produced 1,774,330 ounces of silver.

Two dividends have been paid since the beginning of the fiscal year, one of 4% on July 20th, amounting to $299,525.80 and one of 4% on October 20th, amounting to $299,692.80; a 3rd dividend was declared on December 20th, of 2% amounting to $149,846.40, the new directors having decided that it would be to the best interest of the company to reduce the dividend from 4% to 2% quarterly.

The La Rose Mine, (37 acres) has produced all but a very small amount of the total, and has also borne the expense of developing the other properties of the company.

Mr. R. B. Watson's estimate, made on May 31st, 1909, shows 4,968,418 ounces of silver indicated or developed in the La Rose Mine only, as compared to 4,894,065 ounces estimated on June 15, 1908. During the above period 2,979,953.97 ounces were extracted. Neither of the estimates included the dump which has been accumulating since the beginning of operations in 1904. It is estimated that this dump will yield a profit of over $300,000.

Prior to the consolidation the La Rose Mine produced ore which netted the owners $1,204,862. This mine has produced in 5 years a total of 7,454,754 ounces of silver, and paid in dividends including the profits divided by original owners, $2,583,159.

SUMMARY OF SHIPMENTS FOR YEAR ENDING MAY 31, 1909

Dry tons shipped	$ 6,063.67
Gross ounces silver contained	2,915,706.58
Gross silver value	1,492,046.70
Average price received per ounce, cents	51.17
Received from sale of cobalt	24,059.52
Received from sale of arsenic	322.15
Gross silver value plus cobalt and arsenic paid for	1,516,428.37
Smelter deduction; freight and treatment	196,280.45
Net value received from ore sales	1,320,147.92

COST OF PRODUCING SILVER.

		Per Ton Ore	Per Oz. Silver
Operating Expense	$259,088.77	$42.73	$ .0889
Depreciation on Plant	3,343.47	.55	.0011
Marketing Ore	206,258.37	34.01	.0707
Concentration	6,375.20	1.05	.0022
Corporation and Toronto Office	2,100.00	.35	.0007
	$477,165.81	$78.69	$ .1636
Less Rents and Interest	1,603.28	.26	.0005
Total Cost of Production	$475,562.53	$78.43	$ .1631

MARKETING EXPENSE ON SHIPMENTS.

		% of Gross		% of Gross
Gross value silver plus cobalt and arsenic paid for			$1,516,428.37	100. %
Value of smelter deduction on silver	$87,396.02	5.76%		
Treatment charges	47,359.74	3.12%		
Transportation	61,524.69	4.06%	196,280.45	12.94%
Net Value received from Ore Sales			$1,320,147.92	
Analysis, Smelter Representatives and Ore Insurance	9,977.92	.66%		
Total Marketing Expense	$206,258.37	13.60%		

PRODUCTION AND PROFITS FOR YEAR ENDING MAY 31, 1909.

	Dry Tons	Gross Oz. Silver	Gross Value	Net Value
Shipments	6063.6705	2,915,706.58	$1,516,428.37	$1,320,147.92
On hand at mine May 31, 1909	110.1905	89,656.66	49,174.34	42,891.83
Production for year	6173.8610	3,005,363.24	$1,565,602.71	$1,363,039.75
Total cost of production			475,562.53	
Profit in production			$1,090,040.18	

The Profit made, constituted 69.62% of the gross value of the ore produced.

ORE RESERVES IN LA ROSE J. S. 14.

June 1, 1909

	Tons.	Ozs. Silver	Gross Value, Silver at 15c per oz.	Estimated. Profit.
PARTLY DEVELOPED				
Main Vein	3189.4	2,668,088	$1,424,513	$ 987,329.96
No. 3 Vein	278.6	790,605	408,781	283,326.11
McDonald Vein	926.7	748,621	400,331	277,469.42
No. 10 Vein	188.6	100,391	54,971	38,100.40
	4583.3	4,307,705	$2,288,596	$1,586,225.89
COUNTRY ROCK.				
McDonald	5747.	454,013	231,546	142,812.95
	10330.3	4,761,718	$2,520,142	$1,729,038.84
INDICATED ORE.				
No. 3 Vein	68.9	206,700	106,795	74,019.61
	10399.2	4,968,418	$2,626,937	$1,803,058.45

Gross value includes silver value plus $20.00 per ton of ore for cobalt. Marketing and operating charges estimated according to previous year's results,—that is, 30.69% of gross value. Value of country rock estimated according to new concentrating contract.

The reserves at the end of the first year contained more ounces of silver than were estimated a year ago; the price per ounce, however, is four cents less.

ORE RESERVES IN LAWSON, PRINCESS, UNIVERSITY, ETC.

There has not been enough underground work done on any of these properties to permit of a reliable estimate of their ore reserves.

LA ROSE CONSOLIDATED MINES COMPANY AND CONTROLLED COMPANIES.

Condensed General Balance Sheet—May 31, 1909.

ASSETS.

Properties Owned and Operated by the Several Companies		$7,463,595.00	
Buildings, Plant and Improvements and Additions, Etc.:			
Balance at May 31, 1908	$45,499.26		
Additions during the year 1908-09.. less depreciation	20,637.01		
Furniture and Fixtures	680.83	66,817.10	$7,530,412.10
Stock of Silver Ore at Smelters and in Transit....		$ 333,385.87	
Stock of Silver Ore on Hand		42,891.83	376,277.70
Supplies on Hand.....			12,995.76
Accounts Receivable			871.82
Unearned Insurance			654.17
Cash at Bankers and on Hand.....			74,275.87
			$7,995,487.42

LIABILITIES.

Capital Stock in Hands of the Public:		
La Rose Consolidated Mines Company, 1,497,629 Shares of the par value of $5.00 each	$7,488,145.00	
La Rose Mines, Limited, 70 Shares of the par value of $1.00 each	70.00	
University Mines, Limited, 4,738 Shares of the par value of $10.00 each	47,380.00	
The Lawson Mine, Limited, 35 Shares of the par value of $1.00 each	35.00	
Violet Mining Company, Limited, 14 Shares of the par value of $1.00 each	14.00	$7,535,644.00
Accounts Payable		38,362.37
Surplus and Undivided Profits at May 31, 1909		421,481.05
		$7,995,487.42

Condensed Profit and Loss Account for the Year Ended May 31, 1909.

EARNINGS.

Production of Ore:		
Sales of Silver Bullion during year	$1,183,042.50	
Net value of Ore and Bullion on hand and in transit at May 31, 1909	376,277.70	$1,559,320.20
		5,748.26
		$1,565,068.46

EXPENDITURES.

Cost of Mining and other Operating and Administration Expenses	$ 510,497.71
Dividends Declared and Paid During Year	633,089.70
Balance, Surplus and Undivided Profits at May 31, 1909	421,481.05
	$1,565,068.46

The Little Nipissing Silver Cobalt Mining Co., Ltd.

(Incorporated November 2, 1906, under the Laws of Ontario.)

Head Office—The Manning Arcade, Toronto, Ont.

Directors—Severn Ferland, President; W. B. Russell, Vice-President; R. W. Eyre, Confederation Life Building, Toronto, Sec.-Treasurer; S. D. Madden, Arthur Ferland.

Authorized Capital—$1,500,000. Par value, $1.00. Issued, $1,250,000.

Property—Forty acres S. E. of Cobalt Lake, Coleman Township, described as J. B. 2, Patented. And a lease for 5 years from Peterson Lake Mining Company of a plot on the west shore of Peterson Lake.

Equipment—Small steam plant on lease.

Development—On J. B. 2, No. 1 shaft is 100 feet deep. Tunnel into hill 175 feet. Strong lead of calcite and decomposed graphitic slate. 100 feet diamond drilling.

No 2 shaft sunk 100 feet on very strong vein of calcite and cobaltite, with small silver assays. No important ore bodies encountered.

On Lease—Shaft sunk 160 feet and 1800 feet of drifting and cross-cutting on an irregular vein of calcite with silver in places. Levels at 100 and 160 feet. While some high-grade ore has been encountered, no large bodies have been developed.

REPORT OF THE MANAGER.

"Under instructions of recent date from your Secretary, I beg to append herewith a short general resumé of the work and conditions on Peterson Lake lease, since I assumed the management in September last.

At that time there were no producing veins on the property, though at times, small values and occasionally some little native silver would appear for a few feet, only to disappear again. (On the 160-foot level).

The drift at this 160-foot level had been driven 478 feet on a contact vein between a Keewatin formation on the north-west side and a series of dikes of diabase, chert and lamprophire on the south-east side. I pushed this drift 30 feet further along the contact vein and then discovered a small vein carrying native silver bearing off at an angle of about twenty degrees from the contact vein. We followed this vein for one hundred and twenty feet and found values to a distance of ninety-four feet. At this point a disturbance in the formation had cut off the values, but as the fissure still continues its general direction, I hope that further development along this vein will again put us in values. The average width of this vein throughout the ninety-four feet is about three inches and the average assay of the high-grade ore, 2267 ounces per ton.

Our next find of importance was in the chert formation. This vein strikes a little more to the east than the one previously mentioned and was encountered first, but as the showing at the junction was nothing out of the ordinary for the contact vein, it was passed over for the time and only when the values gave out in the first vein was this returned to.

We have at present driven twenty-two feet along it and it becomes stronger and richer at each shot.

It is not politic for me to report on 'possible' ore, and beyond the work mentioned already, there is no ore blocked out on which an estimate of value can be formed, beyond possibly three or four cars of medium-grade ore and one of high-grade, but one must be more or less governed by the condition of the camp and the corresponding conditions of the mine. Now, I will say for the information of yourself and shareholders, that I have seen all the promising veins in the camp and in no instance where the ore has been found as rich as we have it at present, has the vein failed to pay substantial dividends on the capital invested in it. I see no reason to doubt that the vein on this property will prove any exception to the rule, and I look for handsome returns upon development.

There are two other veins cut by the shaft upon which I have done a little work. Both of these show native silver in paying quantities, but we are not working them at present owing to lack of power. It is my intention just as soon as the power of the Mines Power

Company, Limited, is available, to increase our force and plant all round, and commence systematic mining operations. For the time being, it is merely prospect work, for we have only been able to obtain power for one drill from the Big Nipissing Company, and this has necessarily hampered all our work. I am informed, however, that the Mines Power Company, Limited, will have its power on sale by the 15th of February, and from that time, our main trouble, lack of power, will cease.

Ore Ready for Shipment—Of No. 1 grade, we have at present 128 sacks averaging about 3,000 ounces to the ton; of No. 2 grade, 180 sacks averaging about 750 ounces to the ton; of No. 3 grade, 875 sacks averaging about 150 ounces to the ton."

The capital of this company was originally $650,000.00. This was increased to $100,000.00, in 1908, and on October 20, 1909, to $1,500,000. The additional stock was offered to the shareholders of record at 20 cents per share. 250,000 shares were reserved in the treasury.

Market—1908, high, $0.68; low, $0.20. 1909, high, $0.46½; low, $0.17½.

The McKinley-Darragh-Savage Mines of Cobalt, Ltd.

(Incorporated under the Laws of Ontario.)

Head Office—58 Canada Life Building, Toronto, Ont.

Mines—Cobalt, Ont.

Directors—C. A. Masten, Toronto, Ont., President; T. W. Finucane, Rochester N.Y., Vice-President; J. R. L. Starr, Toronto, Ont., Secretary; W. L. Thompson, 100 Sibley Block, Rochester, N.Y., Treasurer; Joseph S. Hunn, Rochester, N.Y., Assistant Treasurer; Hiram W. Sibley, Rochester, N.Y.; P. A. Robbins, Cobalt, Ont., General Manager.

Capital Stock—Authorized, $2,500,000; issued, $2,246,937. Par value, per share, $1.00.

Annual Meeting—At call of directors.

Transfer Office—Security Transfer and Registrar Company, 66 Broadway, New York.

Dividends—

1907—March 1st	2%	$44,938.74
1908—January 13th	4%	89,877.48
July 15th	5%	112,346.85
1909—January 15th	5%	112,346.85
July 15th	5%	112,346.85
Total paid	21%	$471,856.77
Payable Jan. 15, 1910	5%	112,346.85
	26%	584,203.62

Financial Statement, December 31st, 1908

Disbursements

Addition to plants	$46,241.39
Operation and development	139,921.66
Dividends paid	202,300.71
Directors' fees	150.00
Salaries	13,026.90
Taxes	2,284.37
Insurance	1,141.40
General expense	7,851.35
Cash on hand, December 31st, 1908	46,612.70
	$459,528.48

Receipts

Cash on hand, January 1st, 1908	$111,448.72
Receipts from sales of ore	345,792.01
Interest on bank accounts	2,287.65
	$459,528.48

Location and Area The properties of this company consist of the McKinley Darragh mine at the south west end of Cobalt Lake, 40 acres. The Savage mine in Lot 5, Concession III, Township of Coleman, 12 acres; and the Bennett claim, N.E. ¼, S. ½, Lot 7 Concession I, Township of Bucke. The Coleman properties are both producing

McKinley-Darragh Claim Mining operations have consisted of:

	1908.	Total to date
	Feet	Feet.
Drifts	2,453	3,673
Cross cuts	2,568	3,506
Shafts	99	158
Winzes	175	175
Raises	301	301
Stopes	948	1,718

An average of six drills have been working double shift during the year.

Shipments during the year consisted of 1,530 tons of low-grade ore, averaging 155 ounces per ton and 301 tons of high grade ore, averaging 1,510 ounces per ton. The average price received for silver was 11 cents lower than that of 1907.

Besides the ore shipped we have an accumulation of approximately ten thousand tons of ore on our dump.

Ore Reserves—It is impossible even to approximate the values of our ore reserves. The veins are erratic in both size and values per ton, and their extent can only be determined by working them out.

The extent of our low grade bodies of ore has not been proved. We have in some places opened out our stopes to ten feet in width with payable ore still in the side walls.

A condition which will materially effect our working costs is the fact that most of our ore is close to the edge of Cobalt Lake, and three veins are immediately under a swamp, so that it will be necessary to provide means for controlling the flow of water into the mine before all the ore can be removed.

New Discoveries—Two rich veins and four small payable stringers have been discovered by cross cutting during the year.

Depth of Workings—Our deepest working is down to a depth of 210 feet and still in good ore.

Our 150-foot level has proved the ground as far as the north-east corner of the lot and we have found nothing but Keewatin from the second swamp drift to our northern boundary. The second swamp vein continues into the Keewatin and carries good values as far as proved, but it is not likely that the good values extend more than a few feet into the Keewatin.

In the winze sunk on the blind vein good ore was found at 200 feet, and the bottom of the winze is still in Huronian. The winze sunk to 210 feet on the "Lake vein" has been in Huronian all the way.

From the data supplied by the various workings it is safe to assume that ore will be found to a depth of over 200 feet on the blind vein and to a depth of about 300 feet on the "Lake vein," as the measures dip about 15 degrees towards the east. From work done recently on No. 1 vein it is likely that we shall find payable ore to a depth of over 300 feet, although this is problematical.

In regard to No. 7 vein it is difficult to form any opinion; this vein is extraordinarily rich on the surface, but the values cut off at a depth of about twenty feet. During the summer we sunk on a rich ore shoot to a depth of 115 feet, and the bottom of the winze is still in good ore. The width of the ore shoot was 30 feet, and although the vein extends beyond this, it carries low values. Diabase was encountered at 90 feet and the silver values continued into the diabase.

Additions to Plant—No. 1 shaft had had a new headgear built over it, with trestle connecting with the new mill. The old five stamp mill has been demolished and a new twenty stamp mill erected on a more suitable site. The new mill will treat from 75 to 80 tons per day of 24 hours.

The average number of employees during the year has been 104.

Savage Mine—The Savage Mine had been closed down for over a year before we started operations in 1908. As the ground was covered with snow and there were no data available as to work previously done, I decided to confine operations to No. 1 shaft, as this shaft was equipped with hoist, compressor, boilers, etc. The shaft was flooded and considerable time spent in de-watering. During the year we have sunk this shaft to a depth of 120 feet, and have drifted 130 feet on that level and cross-cut 228 feet. On the 60 foot level 53 feet of drifting has been done and 72 feet of cross-cutting.

The result of this work has been disappointing; we are now abandoning No. 1 shaft and by doing so will save fully one-half of the working costs on the Savage.

No. 2 Shaft—This shaft had been sunk to a depth of 30 feet and abandoned; during the summer we pumped it out and sunk to 112 feet. The vein is an open fissure averaging three inches in width, and from 40 feet down carries rich values in wire silver and nuggets. At 110 feet solid ore was struck and it was decided to stop work until the shaft could be properly timbered and provision made for pumping.

No. 3 Shaft—Vein was discovered in July, being uncovered by trenching. This vein has been followed to a depth of 75 feet, and at 70 feet we have drifted 80 feet to the west and 38 feet to the east. The vein has varied from two to four inches in width and has carried from 2,000 to 12,000 ounces per ton.

The shaft and west drift have been in good ore all the way. The drift to the east has developed into an open fissure, 18 inches in width, without silver values. We are now starting to sink below the 75 foot level and will carry the shaft down to 150 feet if the ore continues that far.

No stoping has been done and we have sufficient ore blocked out to repay the whole of last year's expense at the Savage, and a profit as well.

Ten tons of ore carrying 2,350 ounces per ton were shipped during the year, and we have on hand a carload of screenings and ten tons of No. 1 ore.

The total work on the Savage is as follows:

	Year 1908.	Totals to date.
Shafts	188 feet	508 feet
Drifts	286 "	517 "
Cross cuts	327 "	403 "

Trenching—2,900 feet done in summer of 1908.

Plant—The following additions to plant were made during the year: 100 h.p. return tubular boiler; new headgear over No. 3 shaft; gallows frame over No. 3 shaft; hoists at Nos. 2 and 3 shafts; steam heating system to camp; new superintendent's house; cottage for master mechanic.

General—McKinley Darragh—The eight important veins on the McKinley Darragh claims have been developed from four shafts.

From No. 1 shaft at the 150 foot level cross cuts have been driven to connect all the productive workings. Four acres of very promising ground, near the shore of Cobalt Lake, has not been prospected owing to the trouble from water. While it is impossible to estimate the ore reserves on this property the management estimate that they have blocked out sufficient ore to supply the mill for three years figuring on a daily capacity of 75 tons.

Savage—The development work done this year has added materially to the value of the Savage claim. The condition of the mine at present indicates that this property will be a steady shipper.

Operations are carried on from Shafts Nos. 2 and 3. No. 2 is 112 feet deep, in good ore from the 40 foot level. No. 3 is 130 feet deep with 280 feet of drifting at the 75 foot level. The vein is from 2 to 6 inches wide and assays about 2,000 ounces. This property has produced, approximately, 56,000 ounces of silver, and it is estimated that there is over 500,000 ounces blocked out on the main vein.

Production—1906, 80 tons; 42,673.07 ounces. 1907, 742 tons; 632,983.48 ounces. 1908, 1808 tons; 701,702.94 ounces. To Sept. 1, 1909, estimated, 54,901 tons; 800,000.00 ounces.

Concentration—The capacity of the concentrating mill is being increased by the addition of ten stamps to 120 tons per day. The mill recovers 82.97 per cent., and makes a concentration of 30 to 1.

The mill averages 80.90 tons of concentrates per month, which average 1,000 ounces of silver to the ton.

Market—1906, high, $4.12; low, $1.00. 1907, high, $2.29; low, 70c. 1908, high, $1.36; low, 64½c. 1909, high, $1.01; low, 81c.

*From Annual Report of manager, 1908.

Nancy Helen Mines, Limited.

Incorporated October 3rd, 1908, under the Laws of Ontario.

Head Office—Cobalt, Ontario.

Directors—W. R. Smyth, M.P., Rydalbank, Ont., President; Shirley Ogilvie, Montreal, Que.; Secretary; L. E. Hutton, Thornbury, Ont.

Authorized Capital—$500,000. Par value, $1.00.

Property—(1) 4 acres adjoining the Buffalo and City of Cobalt, in the town of Cobalt. (2) 40 acres, S.E. ¼ of S. ½, Lot 9, Concession 1, Buck.

Equipment—Weber twin producer gas plant, each with capacity of 100 h.p. 100 h.p. Weber gas engine, with auxiliary gasoline engine. Electric plant; hoist, pumps, etc.

Development—At the 60 foot level, 71 feet of cross cutting and 136 feet of drifting. Good ore shoot in sight and working on same.

At the 100 foot level, 600 feet cross cutting, 190 feet of drifting, 160 x 20 feet back stoping, and a 20 foot winze. Good ore in sight and working same.

At the 190 foot level, 135 feet cross cutting and 50 feet of drifting.

Shipments—63.65 tons of ore have been shipped and a 20 ton car of ore is now ready for shipment.

Royalty—The company pays a royalty of 25 per cent. on all ore shipped from Lot No. 1. S. D. Madden has obtained a lease on the half of Lot No. 2, and a force of men are engaged in trenching.

Market: 19½-19¾, November 24th, 1909.

Nipissing Mines Company.

Incorporated under the Laws of the State of Maine

Authorized and Issued Capital $6,000,000. 1,200,000 shares of the par value of $5.00

Officers—E. P. Earle, President; Richard T. Greene, Secretary; John Josten, Treasurer

Directors—E. P. Earle, New York; Wm. B. Thompson, New York; Samuel Newhouse, Salt Lake City; R. B. Watson, New York; Eugene Meyer, Jr., New York; Lyman B. Kendall, New York; Duncan Coulson, Toronto; Richard T. Greene, New York; David Fasken, Toronto

Transfer Agents—Bankers' Trust Company, New York; Old Colony Trust Company, Boston, Mass.; Toronto General Trusts Corporation, Toronto

Registrars—Liberty National Bank, New York; State Street Trust Co., Boston; Toronto General Trusts Corporation, Toronto

New York Office—71 Broadway.

Annual Meeting—First Monday in April.

The Nipissing Mines Company is a holding company owning all of the stock of the Nipissing Mining Company, Limited

Property—The holdings of this company consist of 846 acres, the larger proportion of which is located in favourable geological formation in the heart of the proven productive area. Of the total acreage held by the Nipissing company little more than one half has been prospected, and of this prospected area, only a small percentage has been thoroughly explored. The three geological formations of economic importance are found on the Nipissing. The following table gives the acreage in each formation and the territory prospected:

Formation.	Total Acreage.	Partly Prospected.	Unprospected.
Conglomerate	429	306	123
Keewatin	176	157	19
Diabase	241	16	225
	846	479	367

Over one half of the total area is in the lower Huronian, the formation in which a very large percentage of the productive veins of the Cobalt district have been found.

Veins and Development—Surface trenching and underground development work have resulted in the discovery of 131 veins considered of sufficient importance to be included in the list of numbered veins, and a great number of smaller and less important veins of calcite, some of which should prove of value with further development. In the five and one-half months in which trenching was possible in 1909, twenty-four new veins were located, over one-half of which were important additions to the already long list of undeveloped assets of the company.

Vein No. 122, the most valuable of the new finds, has been sufficiently developed to show that it will be one of the important producers during the coming year.

As the Nipissing company operates a large number of mines scattered over a wide territory, it would be impossible to give space in this article for detailed descriptions.

Fourteen permanent working shafts have been sunk, at which head frames have been built and hoisting machinery installed. At six of these shafts bumping tables, designed by the management to classify the ore, are in operation. These tables separate the ore into three classes.

A—First-class, averaging 2,000 ounces.

B—Screenings, averaging about 100 ounces.

C—Discards, averaging from 15 to 20 ounces.

Class B in recently improved tables is sub-divided. The high-grade ore and screenings that run over 100 ounces are sacked and sent direct to the smelter, the discards and low-grade screenings go to a local customs concentrator for treatment.

A central power plant equipped with two air compressors supplies air to the various mines. Each shaft has an independent plant for hoisting.

The most important of the producing veins at present are the Fourth of July, Kendall, Nos. 26, 64, The Meyer, No. 100 and No. 122. The Kendall vein alone has produced over $500,000, and in November contributed $83,500 to the earnings of the company.

No. 64, while one of the comparatively recent developments, is producing a large tonnage of high-grade ore. This shaft is 290 feet deep.

Vein No. 26 has been for some years a steady producer. This is the only vein in the Keewatin on the Nipissing property that has carried high values to depth.

The Fourth of July and The Meyer are in the area south of and adjoining the Coniagas mine. Each of these veins has been developed to considerable depth without going through the conglomerate, and each has large ore reserves.

There is far more ore in sight in the various developed veins than there was a year ago, and the season's prospecting added greatly to the indicated ore reserves.

Production and Dividends.

Since 1904 the Nipissing Company has produced and shipped 12,826,679 ounces of silver.

	Silver.				
	Gross Ounces.	Gross Value.	Cobalt.	Nickel.	Arsenic.
1904	.....	.....	$23,148.03	$635.05	$380.82
1905	753,153.90	$ 455,267.97	51,999.38	370.93	.....
1906	2,214,821.60	1,476,757.99	95,818.47	4,276.48	.....
1907	2,239,551.89	1,334,128.03	24,349.17	708.33	.....
1908	2,893,031.44	1,504,833.47	21,568.40	.....	588.79
1909	4,726,121.00	2,390,681.97	17,000.00	.....	284.45
	12,826,679.83	$7,159,669.43	$233,883.45	$5,990.79	$1,254.06

1908.

The average price for silver during 1908 was 51.974, about 10 cents per ounce less than in 1897. At the price prevailing during 1907 the gross value of the silver produced would have been over $300,000 more than the amount actually received.

In 1908, 3,505 (dry) tons of ore were shipped, containing 2,893,931 ounces of silver of a gross value of $1,504,833.47; 69,685 pounds of cobalt netting $21,568.40 and 28,445 pounds of arsenic netting $284.45. The gross value of all shipments was $1,525,951.11, and the net value $1,363,783.26. The total cost of production was $573,212.07, leaving a net profit of $884,094.46. The average price received for silver was 51.974 cents per ounce, and the cost of producing silver, including smelter deductions and all other expenses, was 20.715 cents per ounce, leaving a net profit of 31.259 cents per ounce.

The ore reserves December 31, 1908, were estimated at $1,078,392.

1909.

The average price received for sales in 1909 was slightly under the price for the previous year.

In the twelve months ending December 31, 1909, 6,510.5 (dry) tons of ore were shipped, containing 4,726,121 ounces of silver of a gross value of $2,390,681.97 and a net value of $2,210,364, including the cobalt contents which returned about $17,000.

The cost of producing silver during 1909 was between 16 and 17 cents per ounce.

Since the Nipissing Company began operations it has contributed over 20 per cent. of the total number of ounces produced by the camp.

The ore reserves are much larger than they were one year ago.

Dividends.

The dividend record of the Nipissing Mines Company has been most satisfactory The rate has been steadily increased from 3 per cent. quarterly in 1906 to 7½ per cent. quarterly in October, 1909. This company has paid in dividends a total of $3,390,000, not including the 7½ per cent. or $450,000 payable January 15, 1910.

July 20, 1906	3%		$180,000.00
Oct. 20, 1906	3%	and extra 2%	300,000.00
Jan. 20, 1907	3%	and extra 2%	300,000.00
April 20, 1907	3%		180,000.00
July 20, 1907	3%		180,000.00
Oct. 21, 1907	3%		180,000.00
Jan. 20, 1908	3%		180,000.00
Apr. 20, 1908	3%		180,000.00
July 20, 1908	3%		180,000.00
Oct. 20, 1908	3%		180,000.00
Jan. 20, 1909	3%	and extra 2%	300,000.00
Apr. 20, 1909	3%	and extra 2%	300,000.00
July 20, 1909	3%	and extra 2%	300,000.00
Oct. 20, 1909	3%	and extra 2½%	450,000.00
Total	44%	" " 12½%	$3,390,000.00
Payable Jan. 15, 1910	5%	" " 2½%	450,000.00
Total paid and declared	49%	" " 15%	$3,840,000.00

The dividends for the year amounted to $1,350,000, or 22½ per cent. on the issued capital as compared to 720,000 or 12 per cent. for 1908. The present condition of the property warrants the prediction of regular dividends at the present rate or 30 per cent. or $1,800,000.00 per annum for a considerable period, with possibility of a material increase.

GENERAL MANAGER'S REPORT.—1908.

March, 29 1909.

The mine has continued its past advance in production and resources, the total silver produced during the last year being considerably greater than in any previous year.

Shipments in 1908.

	Dry Tons	Net Value Per Ton	Gross Ounces Silver	Net Value	Per Cent. of Total Net Value
High grade ore	694.718	$1,530.86	2,192,210.22	$1,063,518.13	78.0
Low grade silicious ore	2643.5125	81.78	554,930.70	216,190.78	15.8
Low grade cobalt ore	150.632	117.29	15,620.19	18,723.71	1.4
Nuggets	7.1365	9,157.24	131,170.33	65,350.64	4.8
Total	3504.999	$ 389.10	2,893,931.44	$1,363,783.26	100.0%

Average Assay of Shipments.

	Oz. Silver Per Ton	% Cobalt	% Nickel	% Arsenic
High grade ore	3155.5	10.01	5.48	37.69
Low grade silicious ore	209.9			
Low grade cobalt ore	97.8	10.59		
Nuggets	18380.2			
Average of total	825.7			

Summary of Shipments 1908.

Dry tons shipped	3504.999
Gross ounces silver contained	2,893,931.44
Gross silver value	$1,504,098.26
Average price received per oz. cents	51.974
Cobalt paid for—lbs.	69,685.
Received from sales of cobalt	$21,568.40
Arsenic paid for—lbs.	28,445.
Received from sales of arsenic	$ 284.45
Gross silver value plus cobalt and arsenic paid for	$1,525,951.11
Smelter deduction, freight and treatment	$ 162,167.85
Net value received from ore sales	$1,363,783.26

Production.

	Dry Tons	Gross Oz. Silver	Gross Value	Net Value
Shipments in 1908	3,504.999	2,893,931.44	$1,525,951.11	$1,363,783.26
On hand at mine Dec. 31, 1908	187.8	191,370	96,897.42	89,068.24
	3,692.799	3,085,301.44	$1,622,848.53	$1,452,851.50
On hand at mine Dec. 31 1907	267.128	308,568.	163,541.	150,040.52
Production 1908	3,425.671	2,776,733.44	$1,459,307.53	$1,302,810.98

Cost of Producing Silver—Operation.

Diamond drilling	$ 10,411.48
Trenching and clearing land	33,163.15
Development and Exploration	142,224.11
Stoping	56,865.35
Ore sorting	20,717.06
Sampling mill	10,408.46
Assaying and engineering	13,101.56
Administration and office	13,402.29
Boarding houses, bunk houses and roads	14,823.00
Insurance and taxes	35,157.32
General and legal expense	11,001.07

		Per Ton Ore	Per Oz. Silver
	$361,274.85	$105.46	$ .13011
Depreciation on plant account ..	44,631.66	13.03	.01607
Marketing ore	174,775.66	51.02	.06294
Corporation, legal New York office and travelling expense	22,292.51	6.50	.00803
	$602,974.68	$176.01	$ .21715
Less miscellaneous income, rent and interest	27,761.61	8.10	.01000
Total cost of production	$575,213.07	$167.91	$ .20715

Marketing Expense on Shipments.

		% of Gross		% of Gross
Gross value of silver plus cobalt and arsenic paid for			$1,525,951.11	100.00%
Value of smelter deduction on silver	$86,142.81	5.65%		
Treatment charges	39,394.81	2.58%		
Freight	36,630.23	2.40%	162,167.85	10.63%
Net value received from ore sales ...			$1,363,783.26	89.37%
Analysis, smelter representatives, ore insurance, tests, etc.	$ 12,607.81	.82%		
Total marketing expense	174,775.66	11.45%		

Profit on Production.

Gross value of ore produced	$1,459,307.53	
Total cost of production	575,213.07	39.42%
Profit on production	$ 884,094.46	60.58%

The price received for silver was 10.123 cents less than in 1907 which on the production makes a difference of $293,000.

Development—In the early history of the camp, the great bulk of the ore came from surface workings. This open-cutting is the cheapest method of ore extraction down to a certain depth, but as the veins were proved to go deeper, it had to be abandoned, so that now practically all the ore results from underground mining.

While surface prospecting is pushed to the limit during the open season, the underground development enables the company to carry on underground exploration the year around and the property is now down to a regular mining basis.

During the year, work was carried on through twelve shafts and two tunnels; the total advance in the 160 faces driven was:—

Drifting	4614 feet
Cross-cutting	3666 "
Raising	1000 "
Sinking	733 "
Total	10013 feet.
Diamond drilling	2278 "

This was divided among the different shafts as follows:—

No. 63 (Kendall)	1777 feet	No. 96 Tunnel	553 feet
No. 49	1245 feet	Promise.....	453 feet
No. 28 Tunnel	1215 feet	No. 64	403 feet
No. 26 and 10	1102 feet	No. 80 (Fourth of July)	363 feet
No. 40	935 feet	No. 81	263 feet
No. 86 and 87	779 feet	No. 25 and 54	145 feet
No. 73 (Meyer)	742 feet	No. 98	38 feet

Trenching—Trenching the surface has always yielded the best returns of any method of prospecting in the Cobalt district. From May 1, to November 14, the company had a gang of 87 men at work, who dug 27.1 miles of trenches, averaging 4.1 feet in depth.

The result of this work was the finding of the new veins Nos. 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106 and 107. The cost of the season's work was $33,163.15.

Present Surface Condition.

	Total Acreage	Partly Prospected	Unprospected
Conglomerate	429	289	140
Keewatin	176	156	20
Diabase	241	18	223
	846	463	383

Production.

The largest producer of the year was the Kendall vein (No. 63) followed by No. 49 and No. 26. Twelve veins contributed the total as follows:—

Vein No.	Total Ounces Silver
25	60527
26	305380
40	125922
49	683818
54	11837
63 (Kendall)	1226904
73 (Meyer)	169209
80 (Fourth of July)	6541
86	58172
87	10922
92	42290
96	75211
Total	2776733

Plant and Equipment—The following additions were made to this account:—

Shafts and tunnels	$50,081.02
Buildings and fixtures	7,616.11
Machinery	14,637.05
Equipment	14,831.39
Total	$78,165.57

Depreciation written off against this account was $44,631.66 for the year, so that the total Plant and Equipment now stand on the books at only $197,289.97.

The second air compressor was put in commission last spring and both are working up to their capacity,—3420 cu. feet per minute.

The Taylor Hydraulic Compressed Air Co. promises to deliver compressed air from their plant on the Montreal River, during the coming summer, after which power costs should materially decrease.

Concentration—A custom mill, built on Nipissing ground, has been concentrating the low grade ore in the Kendall dump. It is now being enlarged to handle from 80 to 100 tons per day.

Ore Reserves—The estimation of ore reserves in these rich narrow veins will always be unsatisfactory, due to the wide variation both in value and in width, which sometimes takes place in a short distance. It is not economical to completely block out the ore and heretofore, stoping operations have closely followed development, so that the mine has never shown developed ore commensurate with its annual production.

In the following estimate of partly developed ore in the principal veins, only such blocks are taken into consideration as our present developments make us reasonably certain of.

December 31, 1908.

Vein No.	
54	$ 34,000
49	130,800
29	115,000
63 (Kendall)	378,750
86 and 87	20,000
96	24,000
73 (Meyer)	224,592
80 (Fourth of July)	151,250
Total	$1,078,392

The above estimate shows the condition Dec. 31, since which time the reserves have been largely augmented by two important strikes, one in No. 64 shaft and the other in the Fourth of July shaft.

In cutting out the station for the second level in 64 shaft at a depth of 172 feet, high grade ore was encountered which has since been drifted in for 56 feet. It averages sixteen inches wide and assays 1700 ounces per ton.

It is doubtless the extension of the Temiskaming and Hudson Bay vein and will probably prove one of the most important veins ever found on the Nipissing property.

The Fourth of July shaft was sunk 30 feet south of the outcrop; on the 75 foot level, a cross cut north cut this vein and the No. 100 vein, on both of which developments have since been more than satisfactory.

In sinking the shaft below this level, an eight-inch vein of high grade ore came in, which has been followed to the 188 foot level. Whether this is the same vein that was found in the cross-cut has not been proved, but it is certain that the shaft will produce a large amount of ore.

These two developments added to the reserves in the older veins, place the company in the satisfactory position of having more ore opened up than at any previous time in its history.

Respectfully yours,

R. B. WATSON, General Manager.

TREASURER'S REPORT, 1908 NIPISSING MINES COMPANY.

Profit and Loss Account.

January 1, to December 31, 1908.

Income.

Dividend on 2,500 shares Nipissing Mining Co., Ltd.:		
April 16, 1908	$180,000	
July 16, 1908	200,000	
October 16, 1908	180,000	
January 18, 1909 (Declared Dec. 1908)	300,000	
Total amount dividends declared		$860,000.00
Interest on bank deposits		369.27
Total income for year 1908		$860,396.27
Surplus as of January 1, 1908		11,615.10
		$872,011.37

Expenditures.

Dividends paid on 1,200,000 shares of the capital stock of Nipissing Mines Company:		
April 20, 1908	$180,000	
July 20, 1908	180,000	
October 20, 1908	180,000	
Payable January 20, 1909	300,000	
Total dividends paid		$840,000.00

Administration expenses, including legal, corporation, office, etc.	23,323.42
Total disbursements for year 1908	$863,323.42
Surplus December 31, 1908	8,687.95
	$872,011.37

Nipissing Mines Company—Balance Sheet.

December 31, 1908.

Assets.

Capital stock Nipissing Mining Co., Ltd.	$6,000,000.00
Dividends receivable from Nipissing Mining Co. Ltd. (January)	300,000.00
Cash on hand	8,687.95
	$6,308,687.95

Liabilities.

Capital stock	$6,000,000.00
Dividend payable (January)	300,000.00
Surplus December 31, 1908	8,687.95
	$6,308,687.95

JOHN JOSTEN, Treasurer.

Treasurer's Report, Nipissing Mining Company, Ltd. (Operating Company)—Profit and Loss Statement—January 1 to December 31, 1908.

Income.

Sales of silver bullion produced from first-class ore		$745,061.75
Sales of first-class ore		529,724.19
Sales of second-class ore		289,725.26
Total sales for year 1908		$1,564,511.20
Value of ore and bullion on hand and in transit as of December 31, 1908		298,725.06
		$1,863,236.26
Less value of ore and bullion on hand, December 31, 1907		453,167.80
		$1,410,068.46
Other sources of income:		
Interest on bank balance	$9,289.47	
Ground rent	17,470.00	
		26,759.47
Total		$1,436,827.93

Expenses.

Cost of mining and all other expenses	533,738.01
Total profit for the year 1908	$903,089.92
Surplus January 1, 1908	760,236.24
	$1,663,326.16

Less dividends declared and paid during 1908	$560,000.00	
Less dividends declared payable January, 1909	300,000.00	
		$860,000.00
Net surplus forwarded to Balance Sheet		$803,326.16
This net surplus made up as follows:		
Cash in various banks	$433,452.92	
Silver bullion	76,880.39	
Ore in transit and at mine ready for shipment	221,844.67	
Accounts receivable	210,598.10	
Mining plant, equipment and supplies	220,297.79	
	$1,163,073.87	
Less accounts payable at Cobalt $29,747.71		
Ontario Government tax (est.) 30,000.00		
January dividend 300,000.00		
	$359,747.71	
	$803,326.16	

Balance Sheet, December 31, 1908.

Assets.

Mining property	$250,000.00
Mining plant, equipment and supplies	220,297.79
Silver bullion	76,880.39
Ore at mine ready for shipment and ore in transit	221,844.67
Accounts receivable, New York and Cobalt	210,598.10
Cash in banks, New York and Cobalt	433,452.92

Liabilities.

Capital stock		$250,000.00
Accounts payable at Cobalt		29,747.71
Ontario Government Tax, 1908 (est.)		30,000.00
Dividend payable in January		300,000.00
Surplus (see Profit and Loss Statement)		803,326.16
	$1,413,073.87	$1,413,073.87

JOHN JOSTEN, Treasurer.

Market—To Jan. 31, 1908, high, 34.25; low, 5.50. 1909, high, 12.87½; low, 9.25.

North Cobalt Silver Mines Company.

(Incorporated October 13th, 1906, under the Laws of Maine.)

Head Office—Care of The Jacobs Exploration Company, Limited, 171 St. James Street, Montreal.

Directors—Jacob A. Jacobs, President; Mortimer B. Davis, Vice-President; A. M. Reaper, Secretary-Treasurer; Felix Lewis; A. M. Bilsky, Managing Director.

Authorized Capital—$1,000,000. Par value, $1.00. 85 per cent. of the stock of this company was taken over in November, 1908, by the Jacobs Exploration Company.

Property—14 acres, patented, being part of the N.W. ¼ of N. ½, Lot 13, Concession 1, Bucke.

Equipment—A 3-drill compressor plant, with necessary buildings, has been installed.

Development—Under the old management an ore shoot was located, but no important ore body developed.

A shaft has been sunk to the 100-foot level, and a cross-cut to the vein located a strong lead of calcite without any silver values. The shaft was then continued to 180 feet and the cross-cut at this level, 50 feet in length, located, on August 24th, a 10 to 20-inch vein of calcite and silver assaying 1,000 oz. This vein has a general strike north-west and south-east and has no connection with the old vein.

The cross-cut evidently struck the top of an ore shoot. The silver values are in the Keewatin which underlies the conglomerate. The contact was struck in the cross-cut. The vein in the conglomerate seems to be barren of silver.

Some drifting has been done on the new vein at the 180-foot level and a winze is being sunk on the vein showing that, while not so wide as when encountered, the vein still carries high silver values. A new vein, 3 to 4 inches wide, carrying smaltite and silver, was recently located in a cross-cut. Two additional cross-cuts are being driven to tap the new vein at the 180-foot level.

Note.—Later developments show 3,000 oz. ore in bottom of winze. This property promises to develop into an important shipper.

Nova Scotia Silver-Cobalt Mining Company, Ltd.

(Incorporated under the Laws of Ontario.)

No Personal Liability.

Head Office 171 St. James Street, Montreal, Que.

Transfer Agents The Trusts & Guarantee Company, Limited, 43-45 King St. West, Toronto, Ont.; Securit. Transfer & Registrar Co., 66 Broadway, New York.

Issued Capital—2,000,000 shares. Par value, $1.00.

Note. Capital stock increased to $2,500,000.

Directors—D. M. Steindler, President; Mortimer B. Davis, Vice-President; Jacob A. Jacobs, Secretary-Treasurer; A. M. Bilsky, Managing Director; L. A. Bayley.

Annual Meeting—First Monday in December.

Property—The property of this company consists of 28 acres, described as the S.W. ¼ of N. ½, Lot 3, Concession 5, Coleman, and a ten years' lease from the Peterson Lake Company of a 30 acre tract adjoining the Nova Scotia Mine.

Formation—The Nova Scotia property is located in one of the areas in the Cobalt District, where the Keewatin overlies the more recent diabase; on the northern part of the claim the diabase is exposed.

In the early stages of development a shaft was sunk in the Keewatin on a strong vein of calcite and cobalt. No important ore shoots were encountered until the underlying diabase was reached. The ore produced prior to the last summer came from the workings in the diabase below the first level.

The principal silver values are, as is the case in a large majority of the diabase veins, found in the wall rock, which is often shot with leaf silver for several feet on each side of the vein.

Extracts from President's Report.

October 31, 1909

The development work done at the mine shows that we have a large tonnage of ore blocked out and ready to put through the mill, and you will notice, according to Mr Kirby's report, that we have, very conservatively speaking and not taking into account a number of new veins uncovered since July, 1909, sufficient ore to produce at least 1,689,250 ounces After deducting the cost of mining and milling, this would leave a profit of $633,468, from which there would have to be deducted the royalty to the Peterson Lake Company on account of lease, estimated in the neighbourhood of $100,000, leaving a net profit of $533,468 for the first year's operations after completion of the mill.

Since July 3rd, 1909, a number of very promising veins have been uncovered on the surface of that portion of our property which we had not prospected before, among them the vein that was so much talked of at that time and spoken of as the "Silver Sidewalk," our No. 10 vein, and showing native silver in place for 60 to 75 feet. In order to economically mine these veins we started drifting from our old workings on the 110 foot level to tap them at this depth. Unfortunately, we have not picked them up at the 110 foot level, so we decided to sink on these veins from the surface and follow them in that way. This has proven more satisfactory, as in less than 30 feet of sinking we have bagged 12 tons of rich ore from one new vein, No. 11 (which is not the rich silver vein mentioned above), and up to the present time have traced same for 225 feet on the surface.

There has been expended on your property to date about $440,000, and we flatter ourselves that after the erection of our new cyanide and amalgamating mill we will have the best and most up to date plant in Cobalt.

In order to pay for our mill and all outstanding liabilities, your Board of Directors have thought it best to lay before you the advisability of increasing the capital of the company by $500,000, these 500,000 shares to be offered to the present shareholders at 50c per share, each shareholder to have the right to subscribe for one new share for every four shares now held by him.

Extract from Report of Mine Engineer—Surface Improvements, Etc.

As far as the surface equipment, etc., alone is concerned, we have spent during the past twelve months a considerable sum, as shown by the accompanying accounts.

The amount expended includes the erection of a large shaft house at the main (No. 3) shaft, with suitable facilities for crushing, as determined on at that time, for the handling of the ore.

Since then this same shaft has been changed into one with double hoisting compartments, necessitating the fixing up of a new manway (according to the mining regulations) down through the older workings of No. 1 shaft.

The New 20-Stamp Mill.

Apart from the items just enumerated, we have been meeting a very heavy outlay for the past three months of the financial year, in connection with the erection of our new 20-stamp mill, which will include besides two 18 foot tube mills, agitation tanks for cyanide treatment, adequate filter equipment, bullion refinery, etc

This work at the moment of writing is well in hand. The excavations for the foundations have been completed, the concrete retaining walls, etc., are all in place, and much of the heavy framing for the mill buildings is already erected.

It was necessary to press on with these operations before the severe weather set in.

The design and erection of the mill is in the hands of Mr. A. G. Kirby, of Reno, Nevada, U.S.A., and the directors look forward with confidence as to the results which may reasonably be expected to be obtained when the new plant is running. Mr. Kirby hopes with good fortune to have the works completed by next May.

Surface Exploration.

During the past year we carried out some 9,024 lineal feet of surface trenching.

The results of such work were distinctly gratifying, for apart from sundry promising calcite leads found at several points on the Nova Scotia property proper, carrying smaltite with a little copper pyrites, etc., and some values in silver, we uncovered at least two veins showing visible silver on the surface.

These are now being opened up, and have thus far yielded not an inconsiderable proportion of the Nova Scotia ore bagged as shown further on in this general report.

Underground Development.

The following figures embody the underground operations during the past year now under review:

Drifting	1,977 lineal feet
Cross-cutting	1,619 " "
Sinking	229 " "
Total	3,825 " "
Ground stoped	66,150 cubic feet

	Drifting	Cross-cutting	Sinking
Up to October 31st, 1908	2,114	707	482
Advance for year ending October 31st, 1909	1,977	1,619	229
Total	4,091	2,326	711

Ore Production and Reserves.

The gross ore production from the Nova Scotia ground proper and the area [illegible] the Peterson Lake Mining Company for the past year amounted to 298,022 lbs. [illegible] 149 tons. As the following table shows:

	"A" Grade Lbs.	"AA" Grade Lbs.
Nova Scotia proper	50,250	5,754
Peterson Lake lease	221,167	15,984
Total	271,417	21,738

Our estimated ore reserves are made up as follows:

	Tons
Surface dumps	20,000
Main stope (165 foot level)	3,500
Below the 165 foot level	10,[illegible]
Total	33,7[illegible]

It will thus be seen that we have about one year's ore supply ahead [illegible] taking an estimated output of 80 tons per day for 26 working days [illegible] policy latterly (since its erection was definitely decided upon by the B[illegible] has been to hold this ore at the mine, rather than be shipping same to the [illegible] of the greatly increased ultimate profit to your company by pursuing such [illegible] course.

Future Development.

As far as future development is concerned, it should follow more or less on the [illegible] lines.

Considerable areas remain still to be prospected, both to the east and west of [illegible] workings.

In conclusion I may say that the whole of the company's equipment, machinery, is in first-class shape, and also that as a result of the most thorough and complete re-sur[illegible] of the entire property, our mine plans are now correct and right up to date.

Report of A. G. Kirby, Expert Metallurgist.

Cobalt, Ont., September 28th, 1909.

Board of Directors, Nova Scotia Silver Cobalt Mining Company, Limited:

Gentlemen,—In the report of Mr. McEwen, under date of September 27, the ore reserves available for milling treatment as estimated at that time were:—

	Tons.
Ore in dumps	20,000
Ore in main stope	3,500
Possible ore in fifth level	10,283

aside from possible small bunches of good ore in other places.

This gives a total available ore of 33,785 gross tons at an estimated value of 50 ounces per ton, or a total content of

1,689,250 ounces of silver at 50c per ounce		$844,625.00
Cost of treating 33,785 tons at $3.40	$114,800.00	
Cost of mining 33,785 tons at $1.60	54,056.00	
Loss in milling 5 per cent., at $1.25	42,231.25	
Total charges (not including royalty to Peterson L. Ki[illegible] Co[illegible] n acc[illegible] of lease		211,156.25
Net profit		$633,468.75

25,000 tons of this ore is already broken, hence the only charge against that will be the teaming from the stopes and dumps and $1.00 per ton should be ample mining charg against it, hence it is quite probable that the charge of $1.60 per ton is high when taking the whole amount into consideration.

This amount of ore will last for three months when milling 2600 tons per month and will allow of that much time for development work in the mine.

Twenty thousand tons, or over 60 per cent. of this ore has been sorted and the only means of making it available is through a mill, hence on the assumed value of 50 ounces of silver p[illegible] ton, a profit of $18.75 can be made on each ton, or a total of $375,000.00

This alone will pay for the milling plant and leave a profit of $[illegible]275,000.00

Of the 13,785 tons representing 689,250 gross ounces in the mine, possibly 25 per cent could be sorted into a shipping product of a value of 500 ounces [illegible] ton, which, after deducting fixed charges 37.2 per cent. of the 12.5 ounces so sorted out [illegible] net 98,562 ounces $49,281.87

This will leave 1,516,938 ounces still in the ore, which will require a mill to treat, and bring 1,516,938 ounces in 33,441 tons directly under the head of milling ore that cannot be treated any other way, and will yield a profit of $453,341.45 after deducting all treatment charges and first cost of plant

It will so seen that over $30,000.00 more can be made (net) by treating the ore direct in the mill as hoisted than by sorting out and shipping 344.6 tons of 500 ounce ore to the smelter

The cost of mill equipment will be $100,000.00.

Respectfully submitted,

A. G. KIRBY.

Balance Sheet as at October 31st, 1909.

Liabilities.			Assets.		
Capital stock issued (authorized 2,000,000 shares, par value $1.00 each		$2,000,000.00	Mining property, rights, etc.		$1,881,000.00
D. M. Steindler, notes and open acc.	$69,170.72		Plant, machinery and tools, Oct. 31, 1908	$25,410.21	
Jacob A. Jacobs, notes and open acc.	69,539.40		Expend. during year	7,750.55	
B. Davis, notes and open acc.	69,539.40				33,160.76
		208,249.52	Buildings and equipment, Oct. 31, 1908	16,547.58	
Sundry creditors		3,780.55	Expend. during year	28,483.84	
					45,031.42
			Mill		13,862.68
			Supplies on hand		1,660.00
			Cash on hand		4,378.56
			Sundry debtors		873.53
			Discount on shares sold		61,107.50
			Balance of development acc.		170,795.62
		$2,212,030.07			$2,212,030.07

Development Account.

1908 Nov. 1	To Balance			$48,481.32
1909 Oct. 31	To Head Office Expenses			
	Travelling expenses		610.00	
	Insurance on buildings and plant at Cobalt and employers' liability		1,878.07	
	Expense of reports		801.54	
	General Expenses			
	3 months salary to consulting engineer	625.00		
	Transfer agent's fees and expenses	789.98		
	Advertising in Cobalt editions and reports on property mailed shareholders	805.00		
	Auditors' fee year ending Oct. 31, 1908	100.00		
	Office expenses	2,000.00		
	Office rent	450.00		
	Stationery, certificates, etc	250.60		
	Ore testing	100.00		
	Sundry	203.91		
			5,150.49	
	Interest		6,391.81	
	Expenses Ore Shipments			
	Smelter charges, freights, assays, concentrating, etc., Nova Scotia mine		10,514.23	
	do. Peterson Lake lease		4,699.53	
				30,147.69
	To Mine Expenses			
	Assaying and surveying		2,125.10	
	General Expenses		8,430.41	
	Office expenses		3,252.58	
	Stable expenses		4,334.74	
	Interest and discount		262.53	
	Insurance		105.00	
	Ore shipment expenses		1,251.05	
	Ore sorting		7,202.30	
	New road		604.35	
	Mining and Development:			
	Wages, fuel, supplies, maintenance		121,233.72	
				147,701.75
				226,330.78
1909 Oct. 31	By returns ore shipments Nova Scotia Mine		19,952.97	
	do. 75 per cent. Peterson Lake Lease		35,582.19	
				55,535.16
	Balance Oct. 31, 1909			$170,795.62

Notice re New Capital Stock.

The directors of the company beg to notify all shareholders that supplementary letters patent have been issued, authorizing increase of the capital stock by 500,000 shares, to be issued at the rate of 50c. per share, and offered to all shareholders pro rata with their present holdings in the company.

Every shareholder is therefore entitled to call for one share of the new stock for every four held by him, as of record December 31st, 1909, and has the privilege of applying for any quantity of the said stock as he may wish, on the understanding that he will receive such additional amount as the directors may see fit, in the event of any of the other shareholders not calling for all of the stock to which they may be entitled

The terms of payment are:—

10 cents per share with application
20 cents per share, March 1st, 1910
20 cents per share, April 1st, 1910

Enclosed you will find form of application, which kindly fill out for such quantity of stock as you may wish to subscribe for on the above terms, and forward the same to the Secretary-Treasurer, together with cheque to cover the initial payment at the rate of 10c. per share. If you subscribe for more than your proportionate share, the money forwarded will be applied in payment of stock actually allotted.

The Directors have fixed February 1st, 1910, as the final date for receipt of applications, and will not hold themselves bound to accept any applications received after that date.

Note.—See Peterson Lake Cobalt Silver Mining Co. for dispute between this company and the Nova Scotia.

Market—1908, high, 90c; low, 19c. 1909, high, 78½c; low, 34¾c.

Note.—A special meeting of shareholders is called for January 21, 1910, to consider the adoption of a new code of by-laws.

Peterson Lake Silver-Cobalt Mining Co , Ltd.

(Incorporated under the Laws of Ontario.)

Head Office—171 St. James Street, Montreal, Que.

Transfer Offices—The Trusts & Guarantee Co., Limited, 43-45 King Street West, Toronto, Ont. Security Transfer & Registrar Co., 66 Broadway, New York.

Directors—D. M. Steindler, President; J. W. Scott, Vice President; J. A. Jacobs, Secretary Treasurer; W. J. White, A. M. Reaper.

Authorized Capital—$3,000,000. Issued, $2,561,820. Par value, $1.00.

Property—The property of this company consists of 200 acres of territory under the bed of Peterson Lake, including a road allowance of 33 feet around the shore of the lake. It is operated as a leasing company, and has done very little development work on the area not under lease. 155.8 acres of the company's property is now under lease to nine companies or syndicates on a royalty basis of 25 per cent. of the gross value of the ore produced.

From the Third Annual Report.

May 15, 1909.

The accompanying statements of work performed by the several lessees now actively engaged in mining operations on the above company's ground show approximately the extent of the work carried out and the cost thereof for the past year ending April 30th, 1909.

From the following statements, it will be seen that a very heavy outlay (amounting in all to about $230,000.00) has been made in the course of the joint operations carried out by the several lessees concerned.

At no expense to the parent company, a great deal of thorough work has been performed during the past twelve months in the direction of proving up a large claim area.

Much of the work recorded would probably not have been attempted by the parent company if conducting development and prospecting operations on its own account.

As to any ore recovered (at the present moment yielded by two only of the properties controlled by the lessees, viz., Nova Scotia and Little Nipissing), the Peterson Lake Mining Company draws its 25 per cent. royalty in the form of net profit to itself.

Apart from this, the parent company has reserved certain areas for itself, adjacent to ground now being tested at the hands of the lessees, so that if ore be discovered on the latter, the Peterson Lake Company can step in and work this reserved area to its own and sole advantage.

The double compartment shaft on the Nova Scotia—now down 240 feet—has cost approximately $7,200.00. Further sinking is in actual progress in order to keep pace with the winze from the fifth level, west drift.

This shaft is located on Nova Scotia ground, and in order to tap the ore bodies now being exploited on the Peterson Lake Company's property by the Nova Scotia Lease, the parent company would be under the necessity of sinking a shaft for itself.

Power Plants on Leases of Peterson Lake.

Gould Consolidated Mining Co.—One 6x8 hoist and blacksmith equipment. Air for hoist and machines supplied by Big Nipissing until May 1st, 1909. A 25 h.p. boiler being installed to run all equipment, but the company will probably still continue to run machines by air from Big Nipissing.

Kerry Mining Co.—Shaft No. 1 (Cart Lake)—Two 25 h.p. boilers, 3 drill compressor, 6x8 hoist, blacksmith equipment. All air furnished by this plant. Shaft No. 2 (Peterson Lake)—One 6x8 hoist and blacksmitl equipment. All air furnished by Big Nipissing.

Cobalt Leasors Co.—Blacksmith equipment. No plant.

Scott—Blacksmith equipment. No plant.

Deville—Installing 6x8 hoist and 25 h.p. boiler. If air is used, it will be bought.

Little Nipissing Mining Co.—One 10x12 hoist and blacksmith equipment. All air furnished by Big Nipissing.

Baird (Senator Geo.)—Blacksmith equipment. No plant.

Brydge Syndicate—One 8x10 hoist, 6 drill compressor, 100 h.p. boiler and blacksmith equipment. All power furnished by plant.

Nova Scotia—The surface plant and equipment on the Nova Scotia includes a 16 drill Canadian Rand compressor. A new double drum (12 in. x 15 in. cylinders) Jenckes Machine Co. hoist is about to be installed on the mine to replace the old small hoist now entirely inadequate to meet present requirements of both Nova Scotia and Peterson Lake workings. A 12 h.p. horizontal engine operates the crushing plant. Steam is supplied by two 125 h.p. boilers. A new and enlarged blacksmith's shop is also under construction, as well as a combined survey and assay office, in addition to all usual buildings, such as bunkhouses, etc.

The annual statement shows the following prospecting and development on the various leases of the company:—

Diamond drilling	1,907 feet
Trenching	16,805 "
Sinking	1,246 "
Drifting	2,493 "

at a cost to lessees of approximately $230,000.

Shipments.

	Total Ounces Silver.	Ounces Silver paid for.	Tons Cobalt paid for.	Total Value.
Nova Scotia Lease	105,179.5	97,201.97	..	$49,806.74
Little Nipissing lease	4,14[illegible].01	3,474.38	10	2,022.25
	109,325.56	100,676.35	10	$51,828.99

Ore on Hand April 30, 1909.

	Estimated to Contain Ounces Silver.	Estimated Value.
Nova Scotia lease	15,000	$7,500
Little Nipissing lease	10,000	5,000
	25,000	$12,500

Also on hand on Nova Scotia lease 35,672 lbs. cobalt, which will assay 8% cobalt and 30 ozs. silver.

Peterson Lake Silver-Cobalt Mining Company, Limited.

Balance Sheet as at April 30th, 1909.

Capital $3,000,000. Issued, $2,561,820. In treasury, 438,180 shares par value, $1.00.

Liabilities.

Capital stock issued		$2,561,820.00
D. M. Steindler		28,291.10
J. A. Jacobs		4,000.00
		$2,594,111.10

Assets.

Mining properties, etc.			$2,510,216.25
Plant			2,917.31
Commission on stock sold			4,532.00
Discount on shares			30,940.00
Cash on hand			6,818.35
Ore on hand, Peterson Lake proportion (estimated)			3,125.00
Development account, balance April 30th, 1908	$42,226.99		
Add outlay for labour, supplies, mine, travelling and management expenses, etc	8,842.57		
	$51,061.56		
Deduct ore returns, Peterson Lake proportion, N. S. lease	$13,721.81		
Little Nipissing	1,755.56		
		15,477.37	
			35,592.19
			$2,594,111.10

The amount of $28,291.10 has been advanced by Mr. D. M. Steindler and associates who have taken over the agreement of Mr. Edward Steindler with the company to purchase the balance of the treasury stock at 50c per share, or should they choose, the money advanced to the company can be returned from the first sales of ore.

J. A. JACOBS, Secretary Treasurer.

Market— 1908, high, 60c; low, 11c. 1909, high, 41c; low, 19½c.

During the year disputes between the Peterson Lake Company and the Nova Scotia Mining Company and Jacobs, Steindler, et al., culminated in an action against the Nova Scotia Company for the recovery of $1,000,000, and to restrain the Nova Scotia Company from trespassing on Peterson Lake ground. This suit has not yet come to trial, and will be contested.

The action against Jacobs, Steindler, et al. has been settled by the payment of $50,000 and costs amounting to about $3,000, and the return to the treasury of the company of 160,000 shares of Peterson Lake stock.

A claim of Jacobs, Steindler, et al. against the Peterson Lake Company has been settled by the claimants taking notes for the amount, $28,000.

The Right of Way Mines, Limited.

(Incorporated under the Laws of Ontario, 1909.)

Head Office—48 Elgin Street, Ottawa, Ont.

Transfer Office—48 Elgin St., Ottawa, Ont

Mines—Cobalt, Ontario.

Directors—George Goodwin, President; T. A. Beament, Vice President; E. A. Larmonth, Secretary Treasurer; A. W. Fraser, K.C.; J. S. Turriff, M.P.; Dr. J. F. Kidd, Superintendent; R. F. Taylor.

Capital Stock—Authorized, $2,000,000. Shares, par value, $1. Issued, $1,685,500 shares

The Right of Way Mines, Limited, was recently incorporated under the Ontario Companies Act with an authorized capital of $2,000,000.00 to take over all the assets of the Right of Way Mining Company, Limited, capital $500,000. The assets of that company included 1,000,000 shares of Cobalt Merger, Limited, part of the consideration for which was 185,500 shares of the Right of Way Mines, Limited.

The consideration for the transfer to the new company was 1,685,500 shares, of which 185,500 shares go to the person from whom the Cobalt Merger shares were purchased, leaving 1,500,000 shares to be divided ratably amongst the shareholders of the Right of Way Mining Company, Limited, giving each shareholder three shares in the new company for each share held by him.

Property—A 3¼ acre plot located adjoining the La Rose mine, near the town of Cobalt and mining rights under 4 miles of the right of way of the T. & N. O. R. R., and 1,000,000 shares of the capital stock of the Cobalt Merger, Limited, a company capitalized at $2,000,000, owning 92 acres in the S.E. Coleman District.

Dividends and Production, Right of Way Mining Company, Limited.

1907	March 5	7%		$34,923.49
	July 31	7%		34,966.26
1908	May, 5	7%		34,966.26
1909	April 1	6%	Bonus 9%	74,927.70
	May 20		" 10%	49,951.80
	July 2	6%		29,971.08
	Oct. 2	6%		29,971.08
		39%	19	324,643.93
*Dec. 31, R. of W. Mines, Ltd., 2% on issued capital, 2%				33,710.00
				$358,353.93

*Equals 6% on old capital

Production.

Total shipments to Dec. 1, 1907 Tons	22,180
Total value of shipments,	$769,818.00
Less freight and smelter charges	42,333.00
Net value of shipments,	$727,485.00
Royalty paid T. & N. O. Ry.,	172,795.25
Net proceeds,	$554,689.75

This company has had a remarkable history. Before consolidation it had paid almost 65 per cent. of its total capital in dividends and in royalties over 34 per cent. in the three years the mine has been in operation. The first shipment of ore netted the company sufficient profit to repay the purchase price of the property. The new company starts operations with a large treasury balance and considerable ore blocked out in the Right of Way mine.

Development.

From January 1, 1909, to November 23, 1909.

**Since January 1, 1909, tons of ore shipped, 1477.5.

Since the first of the present year the following work has been done:

Cross-cutting	1957	feet
Drifting.	704	"
Sinking	130	"
Raising.	230	"

At the No. 3 shaft, the Silver Queen vein has been proved to carry high grade ore down to the 120 foot level. No. 2 vein, at this shaft, has been proved to the 120 foot level and carries high-grade ore for a distance of 130 feet in the drift on this level. At a distance of 950 feet north of No. 3 shaft another vein of high-grade ore was encountered in the cross-cut. This vein has been drifted on for 85 feet on the 75-foot level, and produced high grade ore for the total distance.

The No. 3 shaft is at present producing most of the ore taken from the property. Recent developments have considerably increased the ore reserves in this section of the mine.

During the fall a large force of men were employed trenching the Merger properties. Several well-defined veins were encountered which will be developed by sinking working shafts.

Market—To Dec. 31, 1908, high, $10.50; low, $2.80. 1909, high, $3.50; low, $1.30, old stock

Silver Leaf Mining Company, Limited.

Incorporated Feb. 15, 1906, under the Laws of Ontario.

Head Office—[illegible] King Street West, Toronto.

Transfer Office—The Trusts & Guarantee Company, Ltd., Toronto.

Capital, Authorized and Issued—$[illegible] Par [illegible]

Directors—Col. John Carson, President; W. [illegible] Gear, Vice-President; James [illegible], Secretary-Treasurer; [illegible] M. Robertson, [illegible] Smoke, D. F. Magann, [illegible] R. Lamont, James G. Ross, Charles D. Potter; M. [illegible], Superintendent; S. M. Thorne, [illegible]

Location, Formation and Area—The property of this company consists of about [illegible] acres [illegible] Kerr Lake [illegible] Township. Excepting for a small area [illegible] Lake [illegible] the rock formations are Huronian.

Development—A large amount of prospecting, including trenching and sinking [illegible] shafts, has been done on the property, [illegible] results. The principal [illegible] shaft No. [illegible] was sunk [illegible] Kerr Lake [illegible] Shaft [illegible] [illegible]

[illegible] 1905, this property was [illegible] by [illegible] St. Symmes [illegible] St. Symmes [illegible] manager [illegible] property and has agreement to supply [illegible] necessary funds [illegible] Nevadite. On November [illegible] 1905, M. Symmes having [illegible] the company took over the work [illegible] Stuart M. Thorne [illegible] manager [illegible]

Equipment Six drill Rand compressor, two 40 h.p. boilers, hoists, pumps, 4 Rand drills Necessary buildings, including sleeping and boarding camps, office superintendent's residence, etc

At the annual meeting held at Toronto, Monday, Sept. 6th, 1909, the control of the company passed to interests identified with the Crown Reserve, and a new Board of Directors was elected

On December 4, 1909, the property of this company was leased to the Crown Reserve for 5 years at a royalty of 25 per cent., with an option of renewal for 5 years on a royalty of 35 per cent., the lessee agreeing to spend $20,000 the first year and $10,000 each year thereafter

The underground development work on the Crown Reserve has shown that the Lower Huronian slates underlie the diabase on the areas north of Kerr Lake. It is possible that exploration work from the Crown Reserve workings will locate values in this area

About $20,000 remains in the treasury of the Silver Leaf Company

Market 1908, high, 13c; low, 5c. 1909, high, 22¼; low, 10c

Silver Bar Mining Company, Limited.

[illegible]

Capitalization [illegible]

Head Office [illegible]

Directors Hon. Thomas Crawford, President; A. E. Magee, Vice-President; W. K. MacNaught, Norman Fisher and John B. Kerger.

Property [illegible]

Formation The geological conditions on this property [illegible] Keewatin.

[illegible]

Development [illegible] development work has been [illegible] sinking [illegible] shafts, and [illegible] [illegible]

[illegible]

Temiskaming and Hudson Bay Mining Co.

(Incorporated under the Laws of Ontario.)

Head and Transfer Office—New Liskeard, Ontario.

Directors—George A. Taylor, President; A. A. McKelvie, Vice-president; D. T. K. McEwen, S. S. Ritchie, D. M. Ferguson, John Dunkin, T. McCamus; Secretary-Treasurer, F. L. Hutchinson; Manager, J. R. Kinler.

Capital Stock Authorized—$25,000, issued, $7,761. Par value, $1.00.

Annual Meeting—Last Monday in September.

This company was incorporated before the Cobalt district was discovered and was the [illegible] incorporated company to take up holdings in this district.

The authorized capital of this company is $25,000, of which $7,761 is issued.

The first dividend paid by this company resulted from the sale of the property now [illegible]wn as the Silver Queen Mine, which netted the Temiskaming & Hudson Bay Company [illegible],000. The 200 per cent. dividend declared on November 6, 1905, by this company, was [illegible] first profit disbursement made in the Cobalt camp by an incorporated company.

Property—The holdings of this company in Coleman Township consist of 340 acres, [illegible]ribed as follows:—

(1) N. ½ of N. ½, Lot 6, Concession 4, Coleman, 80 acres; (2) S.E. ¼ of S. ½, Lot 7, [illegible]ession 6, Coleman, 40 acres; (3) N. ½ of N. ½, Lot 7, Concession 5, Coleman, and N.E. [illegible] N. ½, Lot 8, Concession 5, Coleman, 120 acres; (4) part of S. ½ Lot 7 [illegible] [illegible]man, 100 acres. Total, 340 acres.

The most important claim, and the only one now owned by the company, which has [illegible]duced silver, is located north of and adjoining the Trethewey Mine.

The formation on this property is conglomerate and Keewatin; the conglomerate over [illegible] the older formation on a large percentage of the area.

The principal workings are near the south line where a working shaft has [illegible] to the depth of 225 feet. From this shaft levels have been driven at 60 [illegible] feet with considerable drifting and cross-cutting at each level. [illegible] located and partly developed in addition to a large cobalt vein which may [illegible] importance with further development.

The underlying Keewatin which in this area cuts off the silver veins [illegible] exposed at several points in the underground workings. The undeveloped area is [illegible] but recent developments have shown [illegible] which [illegible] of great prospective value. It is estimated that the present [illegible]

Production and Dividends.

[illegible] to December 31, 1909, amount to [illegible] tons of ore. During [illegible] tons were shipped, 12 cars of high grade and 11 cars of low grade [illegible] [illegible] ounces of silver was produced. The net proceeds from these [illegible] [illegible] payment [illegible] due on 4 cars of an estimated value of [illegible]

[illegible] dividends were paid amounting to $162,[illegible] or [illegible] [illegible] shares. A dividend of 1.00 per cent or $[illegible] was [illegible] [illegible] 1909, making a total of dividends paid and declared amounting to [illegible] [illegible]

[illegible] Mines [illegible] the company paid in 1909 [illegible] [illegible] ment and $90,[illegible] in exploration and adjusting claims resulting from [illegible]

[illegible] meeting held at New Liskeard September 27, 1909, confirmed the [illegible] meetings held June 4, 1909 and August 27, 1909 authorizing [illegible] [illegible] and the transfer of the Coleman mining claims of the [illegible] [illegible] Mines Limited [illegible]

The Hudson Bay Mines, Limited, is capitalized at $1,500,000, 1,500,000 shares [illegible] at a par of $1.00 each. Of this amount 400,000 shares are pledged in the [illegible] [illegible] of the treasury stock will be sold to provide funds for the [illegible]

During the year two claims were purchased in Gowganda, which will be [illegible]

Temiskaming and Hudson Bay Mining Company, Limited, New Liskeard, Ontario.

Auditors' Report.

[illegible]

Assets.

[illegible]

Liabilities.

[illegible]

To the Shareholders.

[illegible]

Statement of Receipts and Disbursements for the Year Ending August 31st, 1909

Receipts.

Balance Forward, Sept. 1st, 1908	$ [illegible]	
Sale of Ore	[illegible]	
Interest on deposits	[illegible]	
Rent of teams	[illegible]	
		$[illegible]

Disbursements.

Plant, equipment and tools	$ [illegible]	
Buildings	[illegible]	
Supplies and material	[illegible]	
Mine wages	[illegible]	
Board of men	[illegible]	
Prospecting wages	[illegible]	
General expense	[illegible]	
Work on Galena Claim	[illegible]	
Gold option, Painkiller Lake	[illegible]	
Cow Gando Lake claim [illegible]	[illegible]	
Cow Gando Lake Claim 1576	[illegible]	
Larder Lake option	[illegible]	
Diamond drilling	[illegible]	
Assaying and sampling	1,505.95	
Engineering and surveying	[illegible]	
Power for Kinder shaft	[illegible]	
Taxes	[illegible]	
Office furniture	[illegible]	
Directors' fees	[illegible]	
Legal expense	[illegible]	
Patents	11,352.65	
Royalty	[illegible]	
The Hudson Bay Mines Charter	97,670.22	
Dividends 13 to 18, inclusive	[illegible]	
	$100,196.66	
Balance in Bank, August 31st, 1909	36,009.82	
		$[illegible]

Market—Issued at $1.00. To Dec. 31, 1908, high, $290.00; low, [illegible] (reported). 1909, high, $290.00; low, $148.00

The Temiskaming Mining Company, Limited.

Incorporated April 6, 1906, under the Laws of Ontario.

Head Office [illegible]

Directors [illegible]

General Manager [illegible]

Annual Meeting [illegible]

Transfer Office [illegible]

Authorized Capital [illegible]

Property [illegible]

Dividends

1908	March 16th	3	$69,506.45
	July 1st	3	69,506.45
	October 1st	3	70,143.39
1909	January 1st	6	150,000.00
	April 1st	6	150,000.00
	Total	21%	$509,156.25

Financial Statement December 31st 1909

Liabilities

Sundry accounts payable	$17,612.60
January pay roll	[illegible]
Profit and loss account	[illegible]
Ore Reserve account	[illegible]
Capital account	[illegible]
	[illegible]

Assets

Property account	[illegible]
Buildings	[illegible]
Mine equipment	[illegible]
Boarding house equipment	[illegible]
Sundry accounts receivable	[illegible]
Sundry stores and supplies (per inventories)	3,369.86
Treasury stock	630.00
Cash in bank and due from smelters	71,821.07
Ore in transit and at smelters	50,000.00
Ore in dump at conservative estimate of net value	250,000.00
	$2,863,828.03

Equipment—The Temiskaming has a very complete and efficient plant including a tandem 1,800 cubic foot Sullivan compressor, an 18 x 32 first motion double drum hoist, electric plant, machine shop, etc. A 60 foot steel head frame has been built at the main working shaft.

Concentration—A 30 stamp concentrating mill with an estimated capacity of 100 tons of mill rock per day is under construction and will be in operation by January 1st. It is estimated that the dump contains 35,000 to 40,000 tons of concentrating ore which will average 50 ounces to the ton, which will yield a profit of not less than $15 per ton.

Production—The company shipped during the fiscal year ending December 31st 1909, 831 tons of ore, which yielded 1,026,285 ounces of silver with a net value of $494,211.44. The cost of production was $86,361.25, or 8.4 cents per ounce. The average value of the high grade ore was 3,290 ounces, and of the second grade 173 ounces or a general average of 1,230 ounces per ton on the 831 tons shipped.

It is estimated that there is in the ore house $18,000.00 of high grade ore. A small quantity of low grade ore, and on the dumps 35,000 to 40,000 tons of milling rock, which should yield upwards of $100,000.

Veins—There are four important producing veins on the Temiskaming, and two very promising calcite leads which are being cross cut to at the 200 foot level.

Development—Shaft No. 1 has been sunk to the 250 foot level; Shaft No. 2 to a depth of 336 feet. This is a three compartment shaft. The four main ore bodies on the property have been developed in thes two shafts. Shafts Nos. 1 and 2 are 350 feet apart and have been connected at the 200 and 250 foot levels. Drifts have been run from Shaft No. 1 at the 75 foot, 200 foot, and 250 foot levels; on No. 2 at the 200 foot, 250 foot and 300 foot levels, and from a winze midway between the two shafts at the 300 foot level. The first ore body was encountered on vein No. 1 at the depth of 40 feet. The ore from this shoot has been stoped out to the 250 foot level, where the ore shoot is about 30 foot long, and is now being developed at the 300 foot level.

Vein No. 2 was first encountered at the 200-foot level, where it splits into two veins. The ore bodies have been stoped out to the 150 foot level, above which the vein is apparently low grade. Between the 200 and 250 foot levels about 50 per cent. of the high grade ore has been extracted, but there remains large quantities of milling ore. Below the 250 foot level the vein is still intact. The ore shoot at this level is 100 feet long and assays about 3,000 ounces.

Vein No. 3—The ore body on this vein at the 300 foot level is so far approximately 120 feet in length, and the drifts are still in ore, and average from two to ten inches of 3,000 ounce ore with 6 to 12 feet of milling rock contiguous to the vein. It has been stoped from the 200 to the 250 foot level.

Vein No. 4—Between the 200 and 250-foot levels this vein has been extracted. It averaged from 4 to 12 inches and assayed from three to four thousand ounces. The vein is now being drifted on at the 300-foot level, and the shoot is some 40 feet long.

Market—1907, high, $1.80; low, 70c. 1908, high, $2.25; low, 28½. 1909, high, $1.88; low, 71½.

Trethewey Silver-Cobalt Mine, Limited.

(Incorporated May 30th, 1906, under the Laws of Ontario)

Head and Transfer Office—1428 Traders Bank Building, Toronto, Ont.

Mine—Cobalt, Ont.

Directors—Col. A. M. Hay, Haileybury, Ont., President; Sidney Small, Toronto, Ont., Vice-President; J. A. McKee, Toronto, Ont.; R. A. Smith, Toronto, Ont.; David Fasken, Toronto, Ont.; S. R. Wickett, Toronto, Ont.; W. J. Sheppard, Waubashene, Ont.; D. A. Brebner, Secretary-Treasurer; G. F. McNaughton, Manager.

Authorized Capital—$1,000,000. Issued, $945,450. 54,550 shares in treasury. Par value per share, $1.00.

Annual Meeting—Fourth Wednesday in February.

Property—43 acres; being the S.E. ¼ of the N. ½ of Lot 6, Concession 6, Township of Coleman, known as J.B. 7.

Dividends—

1906	December 20th	4%	$37,818
1907	March 30th	4%	37,818
1908	September 1st	5%	47,272
08	December 15th	10%	94,545
09	May 15th	10%	94,545
09	December 15th	15%	150,000
	al to September 30th, 1909	48%	$461,998

Annual Report—Balance Sheet as at 31st December, 1908, for previous sixteen months—

Liabilities.

Capital stock issued	$945,[illegible]
Other liabilities	11,[illegible]
Balance at credit of Revenue Account	113,108.25
	$1,070,080.56

Assets.

Mine property	$880,000.00	
Buildings, plant and equipment	45,456.13	
		$925,456.13
Supplies		4,712.15
Insurance, etc., prepaid		573.13
Ore in transit and due from smelters		70,149.44
Cash on hand and in banks		69,159.71
		$1,070,080.56

Expenditure.

Operating and other sundry expenses	$147,[illegible]
Dividends, 1908, 15%	141,817.50
Balance at credit Revenue Account, December 31st, 1908	113,108.25
	$402,372.22

Revenue.

Gross ore returns and other revenues	357,970.78
Carried to Revenue Account	44,401.44
	$402,372.22

Geology—The formation on this property is Huronian and Keewatin, the lower Huronian conglomerate overlies the Keewatin on the south and east. To the west the Keewatin is exposed. The silver values so far located are all in the Huronian.

Equipment—The equipment includes a 14 drill compressor with boilers, hoists, pump, and drills and a small concentrating outfit.

"The system of treating ores adopted at the mine is at present confined to crushing and hand sorting, followed by partial concentration in a double compartment Hartz Jig, the hutch product from which is treated on a coarse concentrating table. By the above process the grade of ore formerly shipped as screenings, running from 100 to 200 ounces per ton, and carrying about 70 per cent. of country rock is made to produce a high grade product running from 1,500 to 2,000 ounces per ton, thus saving a heavy expenditure for freight and treatment charges on the bulk of the material formerly shipped. These operations are exceedingly satisfactory, only a very low grade ore being sent to the dump for future treatment."

A 30 stamp mill with a capacity of 100 tons per day is under construction and will be in operation by the beginning of 1910.

Veins and Development—Five main veins and a number of branch veins have been located and are being developed by three shafts.

Shafts Nos. 1, 2, and 3 are located on the main vein. No. 1, near the south line of the property, is 100 feet deep. No. 2, 650 feet to the east, is 200 feet deep, and No. 3, 110 feet east of No. 2, is 240 feet deep.

Shafts Nos. 1 and 2 have been connected at the first and second levels and No. 2 and 3 at the second level 140 feet below the collar of No. 2 on the main working shaft.

The two main ore shoots of this vein have produced a large percentage of the ore shipped by this company. In the workings from No. 1 shaft the ore bodies are cut off by the underlying Keewatin. Towards the eastern line this conglomerate is deeper and the ore bodies will undoubtedly extend to a considerable depth below the present workings.

Some stoping has been done at all three levels but a large quantity of ore has been left in the stopes.

Crosscuts have been driven from No. 2 shaft, and from No. 3 shaft a drift has been run east to the Nipissing line.

No shaft has yet been sunk at the northern end of the property, but development work has been carried on by arrangement with the T. & H. B. Co., at two levels, from the main shaft of that company. The ore shoot on this vein, which is over 200 feet long, is rich in silver and carries considerable niccolite in places. The vein is from two to six inches wide. Development work will be continued well into the company's territory before a shaft is sunk to win the reserves of ore already proven.

"Diamond drilling operations were discontinued early in last year, after several veins had been located and important geological information gained, which has been turned to account in the conduct of mining operations.

"Owing to the impossibility of accurately estimating the amount and value of ore placed technically in sight by development work on veins of the character existing in the camp, no attempt has been made to make such estimate, and the total cost of all exploratory and development work has been and will continue to be charged to operating expenses."

Production- The output of the company at present is about one car of high grade each month, and two or three cars of second-grade ore, the lower grade of ore being piled on dump for future concentration.

The total production from May 30th, 1906, to September 30th, 1909, is as follows:

Year	Tons.	Ounces.	Value.
1906	215.37	154,812	$ 83,217.63
1907	808.7	355,595	195,819.27
1908	1,404.6	717,360	329,269.07
1909 (to Sept. 30th)	877.54	567,538	263,169.55
	3,306.21	1,795,305	$871,766.52

The apparent reduction in tonnage shipped during the first nine months of the present year is accounted for by the operation of the small concentrating plant now in use, and by the fact that a larger amount of ore has been sent to dumps in anticipation of the operation of the new concentrating plant now in course of construction. It is expected that the silver production for 1910 will greatly exceed that of the present year.

Market—1907, high, $2.10; low, 45c. 1908, high, $1.75; low, 47c. 1909, high, $1.64; low, $1.30.

Watt's Mines, Limited

(Incorporated October 12 h, 1906 under the Laws of Ontario.)

Head Office—34 Victoria Street, Toronto

Transfer Office.—Imperial Trusts Co., Toronto

Solicitors—Parker & Clark, Toronto.

Directors—Willard P. Ward, New York; R. E. Kemerer, Toronto; Arthur W. Wickwire, Toronto; John Josten, Toronto; H. B. Wills, Toronto.

Authorized Capital—$1,000,000. Par value, $1.00. (800,000 shares of the stock of this company is owned by the King Edward Silver Mines.)

EXTRACTS FROM ANNUAL REPORT, JANUARY 22nd, 1909.

At the time the present management took charge of the company's operations in December, 1907, no ore had been shipped nor any revenue derived from the property. In January of 1908, we began making shipments of high grade ore to the plants of the American Smelting & Refining Company, at Perth Amboy, N.J., and Denver, Colorado, and others.

During the fiscal year the underground development consisted of the following:

Drifts	1,149	feet
Raises	353	"
Tunnels	169	"
Cross cuts	305	"
Winzes	100	"
Shafts	92	"
Surface Work	150	"
Making a total of	2,318	feet

Between January and September, 1908, this company produced 359 tons of high grade ore, of which 353 tons were shipped to the smelters, yielding after deducting all charges $118,246.64. During this time there was also placed on the dump 3,271 tons of low grade ore, and there remains broken in the stopes and stored in the mine 596 tons, or a total of 4,226 tons, which will be treated by the ten stamp mill recently completed. All of this ore is of too low grade to be profitably shipped as it comes from the mine.

The major portion of the proceeds from shipments of high grade ore was used in the further exploitation of the property, but after deducting all such expenses, including the erection of the ten-stamp mill and concentrating machinery . . . . . there was a profit of $18,244.40, which can be applied toward the liquidation of the company's present indebtedness.

In addition to the ore shipped to the smelters and that placed on the dump and stored in the mine for milling purposes, it is estimated that there is exposed in the property ore containing 100,000 ounces of silver. There are other places in the mine which will no doubt yield considerable ore when stoping is begun, although at present it is not sufficiently developed to be estimated as reserves. The company is sinking a shaft at the present time on what is designated as vein No. 7, which is on the surface the strongest vein so far exposed on the property, and I have every reason to hope that it will produce good ore when the shaft has been well sunk into the diabase, which it has just entered, after passing through about 35 feet of Keewatin and 15 feet of broken ground at the contact.

In the drifts from the No. 5 shaft there is a good showing of milling ore which may open up with more work. At present it is not practicable to develop this ore, as the face of the east drift is in waste, and both ore and waste cannot be handled through a single chute. A small streak of good ore shows in the drift which was driven west from the No. 2 shaft at about the 30-foot level.

Operation—The ore is trammed directly from the main tunnel of the mine to the mill, and is [illegible] on the crusher floor. It is fed by hand to the crusher and crushed to about 1½ in [illegible] The crusher discharges into the elevator and all the crushed product is elevated to the [illegible] at the top of the mill; from this point on, the ore passes through the mill by gravity. From the bins it is fed to the stamps, where it is crushed to 30 mesh; it next passes to No. 1 hydraulic classifier, where the coarsest material is removed and fed to table No. 1; the overflow goes to No. 2 classifier, which takes out the feed for No. 2 table; the overflow goes to the Callow settlers, where the excess water is removed and goes to waste; the thickened pulp is fed to the Vanner. All concentrates are carried to the dryer, where they are dried, sampled and sacked. During the mill run from November 4th to November 30th, it produced 10.43 tons of concentrates containing 19,734 ozs. of silver, or 1,895 ozs. to the ton. The mill treated in all 488 tons, at a cost of $1,141.43, or at the rate of $2.33 per ton, putting 46 tons of ore into one ton of concentrates.

These milling costs are higher than they will be later on, as the work at the start could not be very well systematized and extra labour was necessary.

The extraction, which is at present about 70 per cent., can be helped by jigging the ore before it goes to the stamps, thereby removing all coarse lumps of rich material, some portion of which is lost as slimes when allowed to go to the battery.

Cyanide tests have been made on the tailings; those made at the mine show an extraction of 77 per cent. with 24 hours' treatment; another test made in Denver shows a somewhat better extraction. An inexpensive cyanide plant will be installed as soon as the weather moderates sufficiently.

It is quite difficult to obtain figures on extraction for so short a time, owing to the spotted character of the ore which renders accurate hand sampling impossible. Two automatic samplers will be installed at an early date, to take accurate samples of the mill feed and tailings; these samplers will undoubtedly give a better check on operations than the best method of hand sampling which can now be applied.

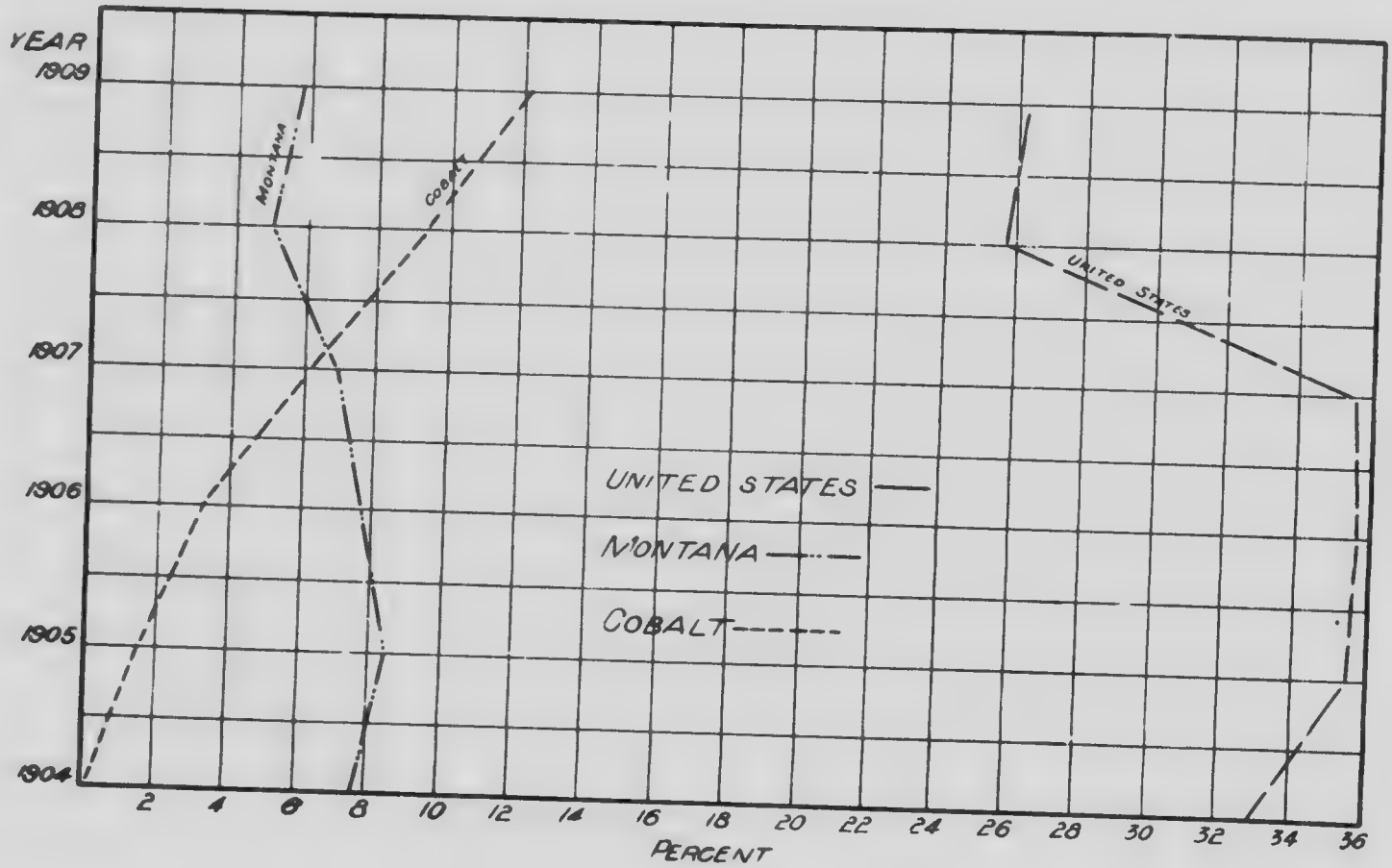
Machinery and Equipment—Complete well equipped plant and concentrator.

There has been an increase in the plant account of $6,066.68 over last year, including depreciation.

During the past year the company produced, including the concentrates from the mill, 368 tons of ore containing approximately 278,530 gross ounces of silver. In addition to this the milling ore still on the dump and in the mine will amount to some 55,000 ozs. after deducting the loss which will be made in milling. This makes the total of silver production for the year about 332,000 ozs., and brings our cost per ounce of silver recovered up to 30 cents, which compares favourably with the cost of producing silver at the Nipissing, which during 1907 was about 20 cents per ounce.

Market.—To Dec. 31st, 1907—high, 1.20; low 28. To Dec. 31st, 1908—high, 78; low, 35. 1909, high, 45c.; low, 15c.

DIAGRAM SHOWING PERCENTAGE PRODUCTION OF WORLDS SILVER



PART III.

DIRECTORY OF THE COBALT MINES.

DIRECTORY.

AABA COBALT MINES, LIMITED

(Incorporated April 16th, 1908, under the Laws of Ontario.)

Head Office—Haileybury, Ontario.

Solicitors—Graham, Kearney & Wright, Haileybury, Ont.

Directors—John W. Ford, Haileybury, Ont., President; Bernard [illegible] Philadelphia, Pa., Vice President; John W. Ford, Jr., Haileybury, Ont., Secretary; [illegible] Green, Buffalo, N.Y., Treasurer.

Authorized Capital—$1,000,000. Par value $1.00. [illegible]

Property—Patented Mining Claim No. 9297, in Bucke.

Note.—This company never did business and was reorganized [illegible] Argo Cobalt Mines, Limited (which see).

THE ABERDEEN COBALT SILVER MINES, LIMITED.

Incorporated May 27, 1907, under the Laws of Ontario.

The title of this company was changed May 17th, 1907, to The [illegible] Mine, Limited.

ABITIBI AND COBALT MINING COMPANY, LIMITED.

Incorporated March 10, 1907, under the Laws of Ontario.

The name of this company was changed July 3rd, 1907, to [illegible] Mining Company.

THE ABITIBI MINING AND DEVELOPMENT COMPANY.

Incorporated January 12, 1906, under the Laws of Ontario.

Note.—"One of the provisional directors of the company informs [illegible] pany went out of business years ago."

THE ABITIBI MINING COMPANY, LIMITED.

Incorporated January 19th, 1909, under the Laws of the Dominion of Canada, [illegible] ized by license dated February 7th, 1907, under Extra Provincial Corporations [illegible] to carry on business in Ontario.)

Head Office—Cobalt, Ontario.

Transfer Office—414 Notre Dame St. West, Montreal.

Directors—J. M. Fortier, President; J. F. Ennis, Vice President; L. M. Fortier, Secretary; Sam. E. Lichtenhein, Treasurer.

Authorized Capital—$10,000. Par value, $100.00.

Property—St. Denis Mine, N.W. ¼, S. ½, Lot [illegible] Concession [illegible]; N.W. ¼, S. ½, Lot 2, Concession 11, Lorrain.

Title—Absolute title, May 28th, 1907.

Equipment On St. Denis Mine, $10,000 steam plant. Nothing on Lever.

Development Working on St. Denis; considerable underground development work and surface prospecting located strong vein carrying silver values. Underground development failed to prove any ore bodies. While out of the producing area, it has possibilities of developing ore with further prospecting.

AGAUNI COBALT MINES, LIMITED.

Incorporated August 29, 1907, under the Laws of Ontario.

Head Office London, Ont.

Transfer Office Room 103, Masonic Temple, London, Ont.

Directors Fred. R. G. Rumball, President; A. B. Greer, Vice President; Alfred Robinson, Secretary Treasurer.

Authorized Capital.—$600,000. Par value, 40 cents. 1,357,350 shares in treasury.

Property The N.E. ¼ of the S. ½ of Lot 6, Concession 4, Township of Bucke.

Title—Crown patent.

Development The secretary reports, October 13, 1909: "A shaft has been sunk to a depth of 81 feet upon two calcite veins running east and west, and averaging about three inches wide. There is also another vein running north and south, which averages two inches in width."

Not in or near producing area.

Not working. No market.

AGAUNICO MINES DEVELOPMENT COMPANY.

(Incorporated in Arizona.)

Registrar and Financial Agent The Fiduciary Company, Tacoma Building, Chicago, Ill.

Directors.—D. K. Martin, 1323-4 Traders Bank Building, Toronto, President; H. W. Johnson, Chicago, Ill.; Wm. Ford Johnson, Chicago, Ill.; Harry Hamill, Chicago, Ill.; James Sidwell, Chicago, Ill.; Thomas Madill, Chicago, Ill.; D. B. Rochester, Chicago, Ill.

Authorized Capital $5,000,000. Par value, $1.00. Shares in treasury, 3,500,000.

Property E. ½ of Lot 15, Concession 1, Bucke, 198 acres.

Equipment and Plant 6 drill Sullivan compressor, with boilers, pumps, hoists, and drills.

Offices and Buildings Hoist house, pump house, and blacksmith shop, engine and boiler house, bunk houses, cooks' kitchen and dining hall, office building.

This property was formerly owned by the Temiskaming Cobalt Company. A shaft sunk on the main vein to the depth of 125 feet has developed a very strong vein of cobalt smaltite. Considerable drifting has been done at 55 foot level. No silver values of importance have been found. As the present market for Cobalt is uncertain, the value of this property is problematical, and depends on development work locating silver values.

Nominal market, October 2nd, 12½-14¾.

AIRGOID COBALT MINING COMPANY, LIMITED.

Incorporated under the Laws of Ontario, January 18, 1907.

Head Office and Transfer Office—Ottawa, Ont.

Directors—Hon. L. Melvin Jones, Toronto, President; A. C. Ross, North Sydney, C.B., Vice President; Hon. Findlo M. Young, Secretary Treasurer; Hon. J. H. Bureau, Three Rivers, Que.; W. S. Mitchell, Haileybury, Ont.; Hon. Wm. Mitchell, Drummondville, Que.; Hon. J. H. Ross, London, Ont.; W. C. Strachan, Montreal, Que.

Authorized Capital—$2,000,000. Par value, $1.00. 500,000 shares in treasury.

Location, Area and Formation.—This company owns 40 acres, being the S.E. ¼ of the N. ½ of Lot 3, Concession 5, Township of Coleman.

The formation is Keewatin and diabase.

The location is very favourable, some strong leads have been found. The recent no[illegible] on the Nova Scotia have added materially to the prospective value of this property.

Development.—This property has been [illegible] some time. [illegible] development [illegible] of some trenching.

Nominal market, October [illegible] N.S.

THE ALBERT MINING COMPANY, LIMITED

[illegible]

This company [illegible] amalgamation with the [illegible] known [illegible] Seybert Consolidated Mining Company, Limited. [illegible]

THE ALEXANDRA MINING COMPANY

[illegible] under the Laws [illegible] State of Maine. [illegible] Government.

Head Office.—1520 Rockefeller Building, Cleveland, Ohio, U.S.A.

Transfer Office.—The Superior Savings & Trust Co., Cleveland.

Directors.—Edward Y. Moore, Cleveland, Ohio, President; Lewis [illegible], Cleveland, Ohio, Vice President; Joseph G. Russell, Attorney-at-Law, Cleveland, Ohio, [illegible] Treasurer; G. W. F. Alexander, Walter R. [illegible]

Authorized Capital.—$1,000,000. Par value, $1.00.

Property.—20 acres, being the N. [illegible] of the S.E. ¼ of the N. [illegible] Township of Coleman.

Title.—Patented.

Equipment.—50 h.p. boiler, hoist, and steam drills.

Development.—A considerable sum has been spent in prospecting this property, [illegible] ing 900 feet of diamond drilling. A shaft has been sunk 170 feet, which will be [illegible] to the 400 foot level. No ore bodies have been blocked out. The location [illegible]

Nominal market, October 2nd, 1906: 24c.

ALUMNI MINES COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

Solicitors.—Jacobs, Hall and Garneau, Montreal, Que.

Directors.—George D. Condie, Montreal, Que., President; Albert Johnson, M.D., Montreal, Que., Vice President; Duncan P. Anderson, M.D., Montreal, Secretary-Treasurer; Robert R. Anderson, Quebec, Que.; J. K. Condie, Lancaster, Ont.

Authorized Capital.—$1,000,000. Par value, $1.00. 208,000 shares in [illegible]

Property.—S.E. ¼ of S. ½, Lot 3, Concession 3, Firstbrook; N.W. ¼ of S. [illegible] Lot [illegible] Concession 3, Firstbrook; S.W. ¼ of S. ½, Lot 3, Concession 3, Firstbrook.

Formation.—Slate conglomerate.

Development.—2,000 feet of trenching and one shaft 15 feet deep on a [illegible]

ALPHA MINING COMPANY, LIMITED.

Name was changed by Order-in-Council dated April 13th, 1907, from La Rose Mining Company, Limited.

Note.—Tested its claim to the ownership of the O'Brien Mine. The O'Brien people eventually retained the property, paying a 25 per cent. royalty to the Government. The settlement with the Alpha Mining Company was made by paying them $130,000. Payment was made out of the royalty received. The final payment was made in October, 1909.

AMALGAMATED COBALT MINES, LIMITED

Incorporated June 26th, 1906, under the Laws of Ontario.

Head Office Confederation Life Building, Toronto, Ont.

Mines Cobalt, Ontario.

Directors R. F. Kemmer, Toronto, President; H. B. Wills, Toronto, Secretary-Treasurer; Hon. J. K. Kerr, Toronto; J. L. Blackford, Toronto; C. A. Munn, Drumbo.

Authorized Capital $1,000,000. Par value $1.00. 750,000 shares issued.

Property — Amalgamated, 28 acres, [illegible] of the shares of the Coleman Cobalt, 36 acres, [illegible] of the shares of the Toronto Cobalt, 7 acres, making a total of 63 acres.

The Amalgamated and Coleman properties are under lease.

Equipment and Plant — Compressor, 5 drills, hoist engine, 40 h.p. boiler, 60 h.p. [illegible] shaft house, blacksmith shop, engineer's cabin, [illegible] bunkhouse, camp buildings.

Development. Shaft has been sunk 115 feet. [illegible]

Coleman Cobalt shaft has been sunk 100 feet, and No. 2 shaft [illegible] feet.

Production — Eight tons.

Nominal market [illegible] October 20th, 1909, [illegible]

THE AMERICANA COBALT SILVER MINING COMPANY, LIMITED

Incorporated under the Laws of the Dominion of Canada.

Head Office [illegible] Exchange Place Building, Rochester, N.Y.

Directors J. [illegible] Kingsbury, [illegible] Jackson, [illegible] Building, Buffalo, President; [illegible] Hodges, Vice-President; [illegible] Secretary-Treasurer; [illegible] Boulay; [illegible] Lewis.

Authorized Capital $1,[illegible]. Par value $[illegible]. [illegible] shares in treasury.

Property — 20 acres, being N. ½, N.W. ¼, N. [illegible] of Coleman.

Development — [illegible]

No [illegible] producing [illegible]

No [illegible]

THE AMERICAN COBALT MINES, LIMITED.

Incorporated under the Laws of Ontario.

Head Office [illegible] Ontario.

Directors [illegible] President; H. H. Hammond, Vice-President; [illegible] W. Lumsden; George B. [illegible], President; [illegible] Becker; A. W. [illegible]; Edward C. [illegible].

Secretary Treasurer [illegible] Mussen, [illegible]

Authorized Capital [illegible]

Property — N. ½, N.E. ¼, N. [illegible] of the [illegible] W. ½, N.E. [illegible] N.E. ¼, N. [illegible] of the [illegible]

Development — N. [illegible]

No [illegible]

AMERICAN COBALT SILVER MINING COMPANY, LIMITED.

Incorporated under the Laws of South Dakota.

Head Office and Transfer Office [illegible]

Directors F. M. Burdick, Chicago, President; [illegible] A. Lepper; H. [illegible] South; W. [illegible]

Authorized Capital [illegible]

Property. 21 acres being the N. [illegible] of the N. [illegible] of Lot [illegible]

Title. Patented.

Equipment. Hand outfit.

Development. Consists of [illegible] feet [illegible] veins.

Not in operation; out of producing area. No market.

THE AMERICAN SILVER KING MINING COMPANY, LIMITED

Incorporated May 30, 1906, under the Laws of Ontario.

Head Office. c/o Zeba Gallagher, Barrister, [illegible] Victoria street, Toronto.

Directors. N. C. Wilber, President; Frank L. Roberts, [illegible] Devonshire [illegible], Mass., Treasurer.

Authorized Capital.—500,000. Par value $1.00.

Assets.—**No. 1**—Two claims north of Otto, staked and applied for. **No. 2**—[illegible] Temagami Reserve, near Dougherty's Siding, staked and applied for. **No. 3**—[illegible] shares of Cobalt Wilber Mining Company (a Maine corporation having [illegible] $1,000,000), which has a subsidiary company, the Cobalt Wilber Mines [illegible] in Ontario, whose claims are (September, 1909) ready for patent.

Equipment. None.

Development. The president reports (September, 1909) [illegible] shaft on the Temagami claim. On the Cobalt Wilber Mines [illegible] rain and Coleman, shafts have been sunk and [illegible] hundred feet of stripping done.

Nominal market, [illegible]

ANGLO-CANADIAN COBALT MINING COMPANY, LIMITED

Incorporated March [illegible] 1907, [illegible]

Head Office. Toronto, Ont.

Directors. Mr. Malcomson, London, England [illegible]

Authorized Capital. $1,100,000 (£220,000). [illegible] shares in treasury.

Property.—W. ½ S.W. ¼ [illegible] S.E. ¼, S. ½, Lot 11, Concession 1, Bucke [illegible]

Note.—We are informed that The Anglo [illegible] into liquidation and that the company has been [illegible] M[illegible]

One of the objectionable Cobalt [illegible] England.

THE ANNABELLA MINING COMPANY, LIMITED

Incorporated under the Laws of Ontario.

All the stock of this company is owned by the [illegible] Argentum [illegible]

THE ANNIE MINING COMPANY, LIMITED

Incorporated under the Laws of Ontario.

All the stock of this company is owned by the [illegible] Argentum [illegible]

THE ARGENTITE COBALT COMPANY.

(Incorporated under the Laws of the State of Maine.)

Office—25 Broad Street, New York.

Transfer Agents—Colonial Trust Company, 222 Broadway, New York.

Officers.—S. W. Ehrich, New York; Le Grand Smith, Chicago; David Bettman, New York.

Authorized Capital. $1,000,000. Par value, $1.00. Shares in treasury, 250,000

Property—This company owns all the stock issued and outstanding (except qualifying shares) of the following companies: The Annabella Mining Company, Limited; The Isa Mining Company, Limited; The Louise Mining Company, Limited; The Margaret Mining Company, Limited; Argentite Townsites, Limited.

No. 1—220 acres, centrally located between Cobalt and Haileybury. This belonged to the Argentite Townsites, Limited.

No. 2—The S.W. ¼ of the S. ½ of Lot 14, Concession 1, Township of Bucke, originally the property of the Isa Mining Company, Limited.

No. 3—40 acres in the Township of Lorrain, being the S.W. ¼ of the south ½ of Lot 1, Concession 11, originally the property of the Annie Mining Company, Limited.

No. 4—Several 40-acre lots in Lot 11, Concession 1, Township of Bucke, originally the property of the Isa and the Annie Mining Companies.

No. 5—Two 40-acre lots, about three-quarters of a mile north of the La Rose Mine, originally held by the Margaret Mining Company.

No. 6—Two claims, originally held by the Annabella Mining Company, Limited, in Lot 7, Concession 6, Township of Bucke.

No. 7—The mining claim originally owned by the Louise Mining Company, Limited being the S.E. ¼ of the S. ½ of Lot 6, Concession 3, Township of Bucke.

Development—No work has been done on the property in the last year.

The surface rights on a number of town lots of Argentite were sold this year, the proceeds of which went into the treasury of the company.

No market.

THE ARGENTITE MINING AND SMELTING COMPANY, LIMITED.

(Incorporated April 24th, 1906, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Directors—Capt. C. H. Palmer, Boston, Mass., President; J. Henry Devereux, New York, Vice-President; D. L. McCarthy, Toronto, Secretary; John C. Tomlinson, New York; James R. Elliott, Lansing, Mich.

Authorized Capital—$2,000,000. Par value, $1.00.

Property—The E. ½ of the S. ½ of Lot 8, Concession 5, Coleman Township—80 acres; the S.E. ¼ of the N. ½ of Lot 8, Concession 5, Coleman Township—40 acres.

Title—Patented.

Note.—The properties of this company are leased to W. S. White, 3320 Broadway, New York. Considerable underground development work has been done.

ARGENTITE TOWNSITES, LIMITED.

(Incorporated under the Laws of Ontario.)

All the stock in this company is now held by The Argentite Cobalt Company.

A. ... JACOBS COBALT MINES, LIMITED.

(Incorporated May 24th, 1907, under the Laws of Ontario.)

A provisional director informs us (August 15, 1909): "This company is now the Watash Cobalt Mines, Limited."

ARGENTUM MINES, LIMITED.

(Incorporated December, 1908, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Executive Offices—Trusts & Guarantee Co., Limited, Toronto, Canada; Security Transfer & Registrar Co., 66 Broadway, New York.

Directors—F. W. Johns, President; William C. Eakins, Vice-President; Lionel Davis, Secretary; E. F. Eldredge, Treasurer and Assistant Secretary; George H. Sedgewick, W. H. Syms.

Authorized Capital—$1,000,000. Par value, $1.00. 199,995 shares in treasury.

This company was incorporated for the purpose of purchasing, developing and operating under lease or otherwise, properties in the Cobalt and Gowganda silver districts of Canada.

Property—The company has secured a five-year lease from April 15th, 1909, on the Foster mine, including all mining equipment. The terms of the lease provide that the Argentum Company receives the first year, 50% of all of the net profits from the mine. The second year, and during the remainder of the lease, the company receives 50% of all of the net profit up to and including $100,000, and 25% of the net profits over and above $100,000.

(See Foster.)

Argentum has also a ten-year lease on the S.E. ¼ of N. ½ of Lot 2, Concession 4, Coleman Township, containing 40 acres.

The terms of the lease on this property provide that the Argentum Company shall pay to the lessor 25% of the smelters' returns on all ores sold during the life of the lease.

Formation—Diabase.

Development—Veins—A limited amount of prospecting has uncovered 3 veins, which show calcite and cobalt bloom. One of the veins has been stripped on the surface for about 600 feet.

A recently located vein, from 2 to 6 inches in width, has been stripped on the surface for a distance of approximately 100 feet, assays from which run from 4,000 to 5,000 ounces of silver per ton. This discovery was made in the north-eastern area of the tract and in the vicinity of the Lawson line.

Market—18c.-19c., November 1st, 1909.

ARGO-COBALT MINES, LIMITED.

(Incorporated July 28th, 1909, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Solicitors—Thurston & Boyd, Toronto, Ont.

Directors—John W. Ford, Haileybury, Ont., President; B. Ruckdeschel, Philadelphia, Pa., Vice-President; J. W. Ford, Jr., Toronto, Ont., Secretary; Charles C. Green, Buffalo, N.Y., Treasurer; Carl A. Lantz, Buffalo, N.Y.; Albert J. Wheeler, Buffalo, N.Y.

Authorized Capital—$1,000,000. Par value, $1.00. 400,000 shares in treasury.

Property.—N.E. ¼ of S. ½, Lot 12, Concession 1, Bucke, patented.

Equipment—Shaft 108 feet.

Formation—Diabase for 41 feet, slate for 15 feet, then conglomerate.

Note.—Not working, November 9th, 1909.

ARGYLE SILVER MINING COMPANY, LIMITED.

(Incorporated February 8th, 1907, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Officers and Directors in 1907 were—Charles S. Smith, Boston, Mass., President; H. B. Cram, Boston, Mass., Vice-President.

The company was floated by Cram Mulliken & Co., 50 Congress Street, Boston, Mass.

Property was located in Lot 15, Concession 2, Bucke—35 acres.

Note.—Unable to obtain further information.

ARIZONA COBALT COMPANY.

(Incorporated in Arizona, U.S.A.)

Head Office—Pittsburg, Pa., U.S.A.

Transfer Office—418 Sixth Avenue, Pittsburg, Pa.

Directors—W. A. Stewart, President; Wm. S. Fowler, Vice-President; Ralph W. Johnston, Secretary; John Sharpe, Treasurer; A. J. Demmler, Harre Robbins, H. F. Linnenbrink.

Authorized Capital—$1,000,000. Par value, $1.00. 150,000 shares in treasury.

Property—40 acres, patented, being N.W. ¼ of S. ½, Lot 10, Concession 1, Bucke.

Equipment—Camp buildings.

Development—Surface work only, showing ten veins with some silver assays.

ARIZONA COBALT SILVER COMPANY, LIMITED.

(Incorporated May 28th, 1906, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Solicitors—Day, Ferguson & O'Sullivan, Toronto, Ontario.

Note.—This is the Ontario company of the Arizona Cobalt Company (which see).

BADGER MINES COMPANY, LIMITED.

(Incorporated May 24, 1907, under the Laws of Ontario.)

Head Office—Room 723, Traders Bank Building, Toronto.

Directors—C. H. Bunker, Chicago, President; J. R. Lindsay, Chicago, Vice President; A. E. Forest, Chicago; Charles T. Trego, Chicago; A. A. Smith, Giroux Lake, Ont., Secretary Treasurer; Frank Denton, K.C., Toronto; L. O. Richardson, Toronto.

Authorized Capital.—$2,500,000. Par value, $1.00.

Property.—83 acres, known as the S. ½ of Lot 2, Concession 4, Township of Coleman.

Development—About one-third of this acreage has been prospected by trenching. Nine veins have been located, in three of which native silver has been found. Shafts have been sunk and considerable development work has been done on veins Nos. 1, 5 and 9. A shaft has been sunk on vein No. 9 to a depth of 223 feet with drifts and cross-cuts begun at the 100 and 200-foot levels. A rich ore shoot was encountered in this shaft at 72 feet, which continued to a depth of 165 feet. Vein No. 5 has been traced on the surface for 1,760 feet, with a varying width of from 15 to 20 inches, and is one of the strongest leads in the Cobalt district. A shaft has been sunk to the depth of 150 feet, but so far no ore shoots have been located. This shaft is being sunk to the 200-foot level, which will be connected with No. 9 vein at the 100 and 200-foot levels. No effort will be made to develop the known ore bodies until these shafts have been connected. While there is sufficient ore in stock and in sight to make initial shipments no ore will be shipped until development can be maintained. The management of this property is in the hands of conservative and experienced men, who have consistently carried out their policy of developing the property without reference to stock market conditions.

About 400,000 shares of the stock were sold to the public in the fall of 1908, 200,000 of which were treasury stock, leaving 550,000 shares still in treasury, the balance being closely held by the original owners of the property, who are strong men. There is no question but that ample funds will be forthcoming to provide for the thorough development of the property.

Offered at 45c. October 2nd.

BAILEY COBALT MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office—Windsor, Ont. Branch office—1446 Railway Exchange Bldg., Chicago.

Transfer Office—The Trusts & Guarantee Co., Limited, Toronto; Security Transfer & Registrar Co., New York.

Directors—E. A. Benson, Chicago, Ill., President and Treasurer; F. L. Woods, Chicago, Ill., Vice-President; C. W. Burns, Chicago, Ill., Secretary; Robert Tinsley, Pullman, Ill.; E. F. Gold, Chicago, Ill.; F. B. Wright, Detroit, Mich.; L. D. Mahew, New York, N.Y.

Authorized Capital—$5,000,000. Par value, $1.00. 750,000 shares in treasury.

Property—A patented claim of 38 acres, more or less, being the S.W. ¼ of the N. ½ of Lot 4, Concession 4, Township of Coleman, District of Nipissing, situated on the west side of Glen Lake on Diabase Mountain.

Equipment—Completely equipped camp.

Development—On September 24th, 1909: 1 shaft 75 feet deep, 1 shaft 45 feet deep, 1 drift at 65-foot level, 1 drift at 115 foot level, 1 winze 75 feet deep from 115-foot level. Other drifts 535 feet. Trenching 3,000 feet.

This property was under lease on a 50 per cent. royalty basis to the Cobalt Central. The lease was terminated by the Bailey Company on April 1, 1909, after 150 tons of ore was shipped.

The formation is diabase overlying Lower Huronian slate. A number of veins carrying good silver values have been located.

Production—149.5 tons of concentrates of a net value of $168,138.73.

Market, Oct. 28, 1908, 11-11½c.

THE BAILEY MINING COMPANY, LIMITED.

(Incorporated August 15, 1906, under the Laws of Ontario.)

Name changed to Bailey Cobalt Mines, Limited.

BANNER COBALT MINING COMPANY, LIMITED.

(Incorporated December 19, 1906, under the Laws of Ontario.)

Head Office—Windsor, Ont.

Transfer Office—35 State Street, Detroit, Mich.

Directors—J. G. Johnson, President; R. Schulenburg, Vice-President; W. A. Eldridge, Secretary; D. Lorimer, Treasurer; W. R. Thompson, W. J. Clearihue, B. P. Barnes, J. A. Krug, G. Dixon.

Authorized Capital—$1,000,000. Par value, $1.00. 500,000 shares in treasury.

Property—S.E. ¼ of N. ½, Lot 2, Concession XII., Lorrain, 40 acres.

Title—Absolute, under Mining Act, 1897.

Equipment—None at present. Work done by hand power.

Development—The company report, Oct. 21, 1909: "One shaft 74 feet; one shaft 52 feet; 1 shaft 13 feet."

Note.—Not in producing area. No market.

BAY LAKE AND MONTREAL RIVER MINING AND DEVELOPMENT COMPANY, LIMITED.

(Incorporated under the Laws of Ontario, January 6, 1908.)

Head and Transfer Office—Sault Ste. Marie, Ontario.

Directors—William O'Brien, President; Mark Cahill, Vice-President; F. J. Gaudet Secretary-Treasurer; A. D. Gillies, J. R. Flynn, Charles Gaudet, William T. Holmes.

Authorized Capital—$300,000. Par value, $1.00.

Property—45 7 10 acres, being the S.E. portion of broken Lot 20, Concession 3, Township of Coleman.

20 acres being the S. ½ of the N.W. ¼ of the S. ½ of Lot 19, Concession 3, Township of Coleman.

Title—All of the properties patented.

Equipment—Two completely equipped camps.

Development.—To date 1 shaft 100 feet deep, with 33 feet of drifting and 17 feet of cross cutting at 90 foot level. Four test shafts 10, 12, 18 and 26 feet deep, besides some trenching. Got about 4 tons of ore out of the shaft.

The property is 2 miles north of Latchford, on the Montreal River (Bay Lake).

Several miles from producing area.

No market.

THE BAY LAKE MINING COMPANY, LIMITED.

(Incorporated June 21st, 1907, under the Laws of Ontario.)

Head Office—Ottawa, Ontario.

Directors—C. A. Douglas, Ottawa, Ont., President; F. A. Scott, Ottawa, Ont., Vice President; A. H. Fitzsimmon, Ottawa, Ont., Secretary; R. B. White, Ottawa, Ont.

Authorized Capital—$1,000,000. Par value, $1.00.

Property. Five mining claims in the unsurveyed portion of Coleman, lying southwest of Bay Lake.

Note.—Sufficient assessment work has been done on the claims to allow the company to hold them. No work has been done on them since 1908.

BEAVER SILVER COBALT MINING COMPANY, LIMITED.

(Incorporated April 24th, 1906, under the Laws of Ontario.)

This company was wound up and its charter surrendered. The shareholders received for each share of Beaver Silver Cobalt Mining Company, Limited, two shares in the Beaver Consolidated Mines, Limited.

BELMONT SILVER MINES OF KERR LAKE, LIMITED.

(No personal liability.)

(Incorporated under the Laws of Ontario.)

Head Office.—c/o J. Lorne Campbell, 29 Jordan St., Toronto.

Directors—James Curry, Toronto, President; Hon. George T. Beard, Vice-President; Whitfield Vandusen, Secretary-Treasurer; T. W. Horne, J. A. McKee.

Authorized Capital—$2,000,000. Par value, $1.00. Fully paid and non-assessable.

Properties—No. 1—Forty acres in the N.E. part of Lot No. 2 in the 4th Concession of the Township of Coleman. This property is well situated in the Kerr Lake district. The formation is Keewatin and diabase.

No. 2—80 acres in the S. ½ of the N. ½ of Lot 4, Concession 2, of the Township of Lorrain.

Market—Offered at 22c, October 2nd.

BIG BEN COBALT MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office—1427 Traders Bank Building, Toronto.

Transfer Office—The Union Trust Co., Limited, Toronto.

Solicitors—Ritchie, Ludwig & Ballantyne, Continental Life Building, Toronto.

Directors—George Monteith, Toronto, President; C. H. Collins, Toronto, Vice President; J. A. Goodearle, Toronto, Secretary Treasurer; D. J. Johnston, Toronto; E. A. Matthews, Toronto; E. MacMahon, Ottawa, Ont.; A. C. Wisner, Chicago, Ill.; A. Monteith, Rosseau, Ont.; W. R. Reynolds, Jackson, Mich.

Authorized Capital—$2,500,000. Par value, $1.00.

Property—Patented, fraction of the S.E. ¼ of N. ½, Lot 13, Concession 1, Bucke.

Note.—Not working.

No market.

THE BIG FISSURE MINING COMPANY, LIMITED.

(Incorporated March 30, 1908, under the Laws of Ontario.)

Solicitor—Reginald W. Eyre, Toronto.

Main Office—Birmingham, Ala.

Authorized Capital—$2,000,000. Par value, $1.00.

The company were lessees of the Abitibi property in Bucke.

Note.—We are informed, November 3, 1909, that this company has been defunct for nearly a year.

THE BIG MOOSE SILVER COBALT MINING COMPANY, LIMITED.

(Incorporated April 1, 1908, under the Laws of Ontario.)

Head Office—King and Yonge Streets, Toronto.

Directors—A. F. Webster, Toronto, President; Hugh Dunfield, Toronto, Vice President; N. W. Tovell, Toronto, Secretary Treasurer; C. H. Milles, B.A., M.E., Cobalt, Ont.; H. O. Zeigler, D.D.S., Toronto, Ont.; George Bradshaw, Toronto, Ont.; J. C. Webster, Toronto, Ont.

Authorized Capital—$750,000. Par value, $1.00.

Property—S.E. ¼ of N. ½, Lot 6, Concession VI., Lorrain, 40 acres.

N.W. ¼ of S. ½, Lot 6, Concession VI, Lorrain, 40 acres.

N.W. ¼ of S. ½, Lot 7, Concession VI, Lorrain, 40 acres.

S.W. ¼ of S. ½, Lot 7, Concession VI, Lorrain, 40 acres.

Also four 40 acre claims in Township of Smyth.

Development—Trenching and stripping.

Note.—No work has been done on any of the properties for some time. Not in or near the area of proven enrichment.

No Market.

THE BIG 3 SILVER MINING COMPANY, LIMITED.

(Incorporated March 6th, 1906, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Directors—Major J. J. Craig, M.P.P., Fergus, President; John Black, Fergus, Vice President; James Beattie, Fergus, Secretary Treasurer; James C. Morrow, Toronto; Francis E. Morrow, Fergus.

Authorized Capital—$2,000,000. Par value, $1.00. All in treasury. No stock sold or yet offered for sale.

Property.—The S. ½ of the N.W. ¼ of the S. ½ of Lot 2, Concession 6.

The S. ½ of the N.E. ¼ of the S. ½ of Lot 14, Concession 4.

The S. ½ of the N.W. ¼ of the S. ½ of Lot 15, Concession 4.

All in the Township of Coleman, in the District of Nipissing, and containing 60 acres, more or less.

Title—Crown patents.

Equipment—No machinery.

Development—The secretary of the company reports (September 8, 1909): "Considerable stripping on all three claims, with 40-foot shaft on Lot 2. 30-foot shaft on Lot 13, and 25 foot shaft on Lot 14."

"We have not done any development on them since the year 1906, and the owners have no further capital for development."

BISHOP SILVER MINES, LIMITED.

(Incorporated under the Laws of the State of Arizona.)

Head Office and Transfer Office—120 Broadway, New York.

Directors.—Walter R. Hensey, Jerome H. Bishop, Lionel Robertson, Horace Prall May, Robert Forsythe Little, Bernard Naumburg, George Rosendale, Louis F. Dodd, James E. Day, W. J. Burns, J. R. Draney.

Authorized Capital $5,000,000.

Property All of the stock of the Bishop Silver Mines, Limited, of Canada (which see)

BISHOP SILVER MINES LIMITED OF CANADA.

Head Office—120 Broadway, New York City.

Transfer Office—None. (Stock held by one corporation), Bishop Silver Mines Limited, Incorporated in Arizona.

Directors—Walter R. Hensey, 120 Broadway, New York, President; Jerome H. Bishop, Wyandotte, Mich., Vice-President; Horace P. May, 120 Broadway, New York, Secretary; Lionel Robertson, 11 West 32nd St., New York, Treasurer; James E. Day, 34 Victoria St., Toronto.

Authorized Capital—$40,000. Par value, $1.00. Shares in treasury, all issued.

Property All of the stock of the Ontario Gowganda Cobalt Consolidated Company

760 acres in Gowganda and Bloom Lake Districts.

In Firstbrook Township:

The N.E. ¼ of the S. ½ of Lot 2, Concession 1.

The N.W. ¼ of the S. ½ of Lot 1, Concession 1.

The S.E. ¼ of the S. ½ of Lot 1, Concession 1.

In Bucke Township:

The S.E. ¼ of the S. ½ of Lot 1, Concession 1.

The N.E. ¼ of the S. ½ of Lot 1, Concession 1.

The N.E. ¼ of the S. ½ of Lot 3, Concession 2.

The S.E. ¼ of the S. ½ of Lot 3, Concession 2

Total 1,040 acres.

The Firstbrook and Bucke claims are not in or near the productive area.

BLACK MINES CONSOLIDATED, LIMITED.

(Incorporated under the Laws of Ontario, August 17th, 1909.)

Head Office—34 Victoria Street, Toronto, Ont.

Transfer Office—151 St. James Street, Montreal, Que.

Directors—John Black, M.E., 151 St. James Street, Montreal, President; O. L. Henault, 4545 Sherbrooke Street, Montreal, Vice-President; Wm. Vass, 151 St. James Street, Montreal, Secretary-Treasurer; James A. Brook, Montreal; C. E. Lewis, Montreal; Frederick T Enright, Montreal; James Robinson, Millerton, N.B.; Hon. Wm. Pugsley, Ottawa, Ont.

Authorized Capital—$3,000,000. Par value, $1.00. 480,000 shares in treasury.

Property—Two patented claims, being: (1) W. ½ of the N.W. ¼ of the N. ½ of Lot 1, Concession 2, Township of Coleman, 20 acres. (2) The N. ½ of the S.E. ¼ of the N. ½ of Lot 2, Concession 2, Township of Coleman, 20 acres—40 acres in all.

Also mining claims M. R. 493 in Montreal River District, containing 40 acres; M. R. 1432, 1434, 1435, 1436 and 1512 containing together approximately 172 acres, and located immediately west of the northwest arm of Lake Gowganda, also M. R. 1405 and M. R. 1406, east of Miller Lake, containing together about 80 acres; in all comprising some 332 acres.

Equipment—Compressor plant. Two 50 h.p. and one 25 h.p. boilers, six drills, hoisting engine, pumps, bunk house, office buildings, cook house, stables, etc., etc.

Veins and Development—Four veins. No. 1 is 14 to 18 inches; smaltite and niccolite traced to 100 feet on the No. 1 property and 200 feet on the No. 2 property; on this a shaft has been sunk 150 feet which will be continued to the 200-foot level. A cross cut at the 100 ft. level cut the vein 12 feet from shaft, showing 6 to 8 inches of smaltite and niccolite and small silver assays. There are three other veins on the property, one 4 inches of calcite and the other two quartz veins.

The location is favourable.

The other properties are being prospected.

Note.—The company is a consolidation of the John Black Mining Company, Limited, and The Black Mine, Limited.

Market, October 2nd, 29c 31c.

BONANZA COBALT MINES COMPANY, LIMITED.

(Incorporated under the Laws of the State of Maine.)

Head Office and Transfer Office—407 Land Title Building, Philadelphia, Pa.

Directors—John Megraw, President; Daniel S. Bader, Vice-President; James C. Megraw, Secretary-Treasurer; William Schwenk, A. C. Baker, Jos. R. Livezey, R. J. Trethewey, Wm. Finley, John McCorkell.

Authorized Capital—$1,000,000. Par value, $1.00. 330,000 shares in treasury.

Property—14¾ acres, being part of Lot 2, Concession 2, Township of Coleman.

Title—Patent.

Equipment—25 h.p. engine and boilers, steam hoist, all steel necessary, etc.

Development—Nothing done during year of 1909.

Not in producing area.

No market.

BOSTON PORTAGE COBALT SILVER MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

Properties taken over by the Kirk Lake Mines Company

BRITISH AMERICAN COBALT MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office—Traders Bank Building, Toronto.

Solicitors—Ziba Gallagher, Victoria Street, Toronto.

Directors—W. A. McKay, Montreal, President; D. W. Lockerby, Montreal, Vice President; Fowler Ross, 151 St. James Street, Montreal, Secretary Treasurer; W. I. Gear, Lindsay, John Carson, Jas. A. Ogilvy, R. W. Garth.

Authorized Capital—$3,000,000. Par value, $1.00.

Property—560 acres: (1) 120 acres, Silver Lion properties. (2) 240 acres, Ontario Cobalt Syndicate properties. (3) 200 acres, Hylands properties—80 acres, Lot 4, Concession 1, Firstbrook Township; 40 acres, Lot 20, Concession 3, Coleman Township (Nos. 184-185); 80 acres, Lot 16, Concession 6, Coleman Township. (4) 40 acres, Temagami property. (5) 50

acres, Douglas H. Thompson properties—20 acres, Lot 10, Concession 5, Coleman Township; 20 acres, Lot 11, Concession 5, Coleman Township; 10 acres, Lot 10, Concession 5, Coleman Township, in Mud Lake.

Note.—This company is a consolidation of several companies and syndicates.

The properties are outside of the recognized productive area.

Market, October 2nd, 6½c 7½c.

THE BRITISH AMERICAN SILVER COMPANY, LIMITED.

(Incorporated under the Laws of Ontario, August 24, 1906.)

Capital $50,000.

Sold out to Cobalt Central Mines Company.

THE BUCKE SILVER AND COBALT MINING COMPANY, LIMITED.

(Incorporated December 19, 1906, under the Laws of Ontario.)

Head Office—19 Elgin Street, Ottawa, Ont.

Solicitor—T. A. Beament, Ottawa, Ont.

Directors—John A. MacLaren, Ottawa, Ont; Edgar L. Horwood, Ottawa, Ont.; E. A. Oliver, Ottawa, Ont.; H. E. Dickson, Ottawa, Ont.; F. A. Heney, Ottawa, Ont.; John L. Cuthbert, 19 Elgin Street, Ottawa, Secretary-Treasurer.

Authorized Capital—$300,000. Par value, $1.00.

Property—S. part N.W. ¼ of S. ½, Lot 14, Concession 1, Bucke, comprising 10 acres. Patented.

Development—We are informed October 16th, 1909: "We have done stripping on eight to ten veins and have two shafts down 25 feet each. In one shaft we have a strong calcite vein from four to six inches wide from which we have taken samples of native silver."

Note.—A charter was obtained for the purpose of taking over the property named, but the deal fell through and the charter was purchased by the original owners of the claim, namely, G. P. Matthewman, H. E. Dickson, and Henry Hopp, who own the claim and charter and all the shares of the company at the present time.

CABLE SILVER COBALT MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office—171 St. James St., Montreal, Que.

Directors—D. M. Steindler, 42 Broadway, New York, President; Jacob A. Jocobs, 171 St. James St., Montreal, Que., Vice-President; Mortimer B. Davis, Montreal; A. T. Budd, Toronto; P. Kirkegaard, Deloro, Ont.

Authorized Capital—$2,000,000. Par value, $1.00. Par value, $1.00. 400,000 shares in treasury.

Property—160 acres; being the S. ½ of Lot 8, Concession 1, Township of Bucke.

Development—The secretary reports that development work is going on.

Note.—Recent developments in this locality have added materially to the prospective value of this property.

No market, October 2nd, 1909.

CALUMET COBALT MINING COMPANY, LIMITED.

(Incorporated November 24th, 1906, under the Laws of Ontario.)

Head Office—Traders Bank Building, Toronto.

Directors—J. F. Gillies, Toronto, President; John McKay, Sault Ste. Marie, Ont., Vice-President; Leo Mitchell, Toronto, Secretary.

Authorized Capital $500,000. Par value, $1.00.

Property—20 acres. Now owned by Pan Silver.
It was a subsidy of the Coleman Development which was all taken over by Pan Silver.
There are now practically no outstanding shares
Development—Shaft, 80 feet

CAMPBELL CRAWFORD COBALT SILVER MINING COMPANY.

(Incorporated December 12th, 1906, under the Laws of Ontario.)

Head Office—Cobalt, Ontario.

Directors—T. C. McLaren, President, Matthew Finn, Vice-President; H. H. Lang, Treasurer; H. Campbell, Donald Crawford, D. D. Maddin, Ralph C. Dyer. Secretary, R. J. Jemmitt.

Authorized Capital—$1,000,000. Par value, $1.00.

Property—Part of N. ½, Lot 2, Concession 5, Coleman, on the west shore of Cross Lake.

Title—Lease.

Development—3,000 feet of trenching and three prospect shafts, 14, 30 and 60 feet deep.

Note.—Location favourable, not working at present.

CANADA CONSOLIDATED COBALT SYNDICATE, LIMITED.

(Incorporated February 21st, 1907, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Authorized Capital—$1,000,000. Par value, $5.00.

Note.—The company was incorporated to acquire and work the mining rights of Peterson and Cart Lakes. A London office was opened at 550-551 Salisbury House, E.C.

The company's solicitors report, October 1st, 1909: "This company went out of existence some time ago."

CANADA MINERALS, LIMITED.

(Incorporated September 26th, 1906, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Authorized Capital—$100,000.

Note.—We are informed that this company is defunct.

CANADA MINES, LIMITED.

(Incorporated September 21st, 1906, under the Laws of Ontario.)

Head Office—43 Adelaide St. East, Toronto.

Solicitors—Bicknell, Bain & Strathy, Toronto.

Directors—John F. Lennox, Toronto, President; R. T. Shiell, Toronto, Vice-President; Fred. W. Hill, 43 Adelaide St. East, Toronto, Secretary Treasurer.

Authorized Capital—$100,000. Par value, $100.00.

Note.—This is a promoting company and owns no properties.

CANADIAN COBALT AND SILVER MINING COMPANY, LIMITED.

(Incorporated January 19th, 1906, under the Laws of Ontario.)

Head Office—Ottawa, Ontario.

Directors—H. H. Lang, Cobalt, Ont.

Authorized Capital—$250,000. Par value, $1.00.

Note.—Not working.

THE CANADIAN COBALT CORPORATION, LIMITED.

(Incorporated Nov. 28, 1906, under the Laws of Ontario.)

This company has been wound up

CANADIAN MINES SYNDICATE, LIMITED.

(Incorporated January 16th, 1907, under the Laws of Ontario.)

This company is no longer in existence

CANADIAN PACIFIC COBALT DEVELOPMENT COMPANY, LIMITED.

(Incorporated April 8th, 1907, under the Laws of Ontario.)

The name of this company was changed October 20th, 1908, to Union Pacific Cobalt Mines, Limited

CANUCK SILVER MINES COBALT, LIMITED.

(Incorporated April 17th, 1907, under the Laws of Ontario.)

Head Office—Care A. F. Lobb, Toronto

Directors—A. F. Lobb, Barrister, Manning Chambers, Toronto; A. D. Wilson, Toronto; G. F. Thompson, Toronto; R. E. Goderich, Toronto.

Authorized Capital $1,000,000. Par value, $1.00. 150,000 shares in treasury.

Property 40 acres, being the S.E. 1/4 of the S. 1/2 of Lot 13, Concession 1, Township of Bucke.

Development The company reports (September 2nd, 1909): "Shaft down 130 feet."

The recent developments on the North Cobalt have added materially to the prospective value of this property.

Market, Oct. 2nd, 1909, 9c 12c.

THE CAPITAL COBALT MINING COMPANY, LIMITED.

(Incorporated December 5th, 1906, under the Laws of Ontario.)

Head Office—Ottawa, Ontario.

Directors Dr. A. T. Shillington, Ottawa, Ont., President; J. O. Carss, Ottawa, Ont. Vice President; Dr. C. W. F. Gorrell, Ottawa, Ont.; D. J. McA. Nulty, Ottawa, Ont., Secretary; E. J. Walsh, L. C. Morissett

Authorized Capital—$500,000. Par value, $1.00. 165,000 shares in treasury

Property—E. 1/2 of S.E. 1/4 of N. 1/2, Lot 12, Concession 5, Coleman, patented. W. 1/2 of S.W. 1/4 of N. 1/2, Lot 11, Concession 5, Coleman, patented.

Equipment—Camp buildings.

Development—Three shafts, 15 feet, 40 and 17 feet. Trenching, stripping, good assays. Seven calcite veins. Diabase and Huronian contact, ruby silver in shaft

Not working.

No market.

Note.—The original name of this company was The Dymond Development Company, Limited.

CARLETON COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated January 24rd, 1907, under the Laws of Ontario.)

Head Office—48 Elgin Street, Ottawa, Ont.

Directors—W. H. A. Fraser, President; W. C. May, Vice President; [illegible] A. Lemoine, Secretary Treasurer; F. L. Graves, J. E. Hutcheson, L. F. Elmitt, E. Tasse, J. G. Stewart.

Authorized Capital—$1,000,000. Par value, $1.00. 235,195 shares in treasury.

Property—161½ acres, N. ½ of Lot 7, Concession 1, Firstbrook; 161½ acres, S. ½ of Lot 7, Concession 1, Firstbrook; 20 acres, N. ½ of S.W. ¼ of Lot 10, Concession 3, Coleman; 20 acres, S. ½ of N.W. ¼ of N. ½ of Lot 10, Concession 3, Coleman.

Development—The Secretary reports September 15, 1909: "The company is not doing any work on its properties at present."

Not in productive area.

No market, October 2nd, 1909.

CASEY COBALT MINING COMPANY, LIMITED.

(Incorporated April 16th, 1907, in England.)

Head Office—Care of R. F. Eden, 741 743 Salisbury House, London, E.C., England.

Directors—Col. Sir A. C. F. FitzGeorge, Lord Auckland, Col. Sir Aubone Fife, F. W. Rose.

Authorized Capital—£200,000. Par value, £1.

Note. This company was formed to deal with all or any of the stock, shares and securities of the Casey Cobalt Silver Mining Company, Limited, of Ontario (which see).

CASEY COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated December 19, 1906, under the Laws of Ontario.)

Head Office—McPherson & Co., 16 King St. West, Toronto.

Manager of Mine—John Rennie, New Liskeard, Ont.

Authorized Capital.—$100,000.00. Par value, $1.00.

Property—S.E. ¼ of S. ½, Lot 5, Concession 1, Casey Township.

Title—Mining rights.

Equipment—Two 40 h.p. boilers, compressor and hoist, power, shaft and bunk houses.

Development—Shaft down about 250 feet with drifts at 33, 100, 160 and 220 foot levels. 100 feet of drifting at first level; 240 feet at second level; 180 feet at third level. A station has been cut at the fourth level.

Shipments—1908, 10 tons; 1909, 8.5 tons; total, 18.5 tons.

Note. Some high grade ore has been produced from this property. Further development work may locate important ore shoots. (See Casey Cobalt Mining Co., Limited.)

No market.

THE CENTURY SILVER MINING COMPANY, LIMITED.

(Incorporated Dec. 14, 1906, under the Laws of Ontario.)

Head Office—42 44 Bank of British N. A. Chambers, Toronto.

Transfer Office—532 Ellicott Square, Buffalo, N.Y., U.S.A.

Directors—Dr. Jas. Whytock, President; John W. Keeley, Manager at Mine, Vice President; George Laws, Secretary; Charles Lantaff, Treasurer; John Curry, H. B. [illegible], B. B. Brambaugh, Dr. George Humphrey, A. C. Hynde.

Authorized Capital—$1,000,000. Par value, $1.00.

Property—Two patented claims of 20 acres each, being the E. ½ of the N.E. ¼ of N. ½ of Lot 1, Concession 6; and the E. ½ of the N.W. ¼ of N. ½ of Lot 1, Concession 6, Township of Coleman.

Equipment—20 h.p. boiler, hoist, etc., drill air compressor, and good camp buildings.

Development—The secretary reports, September 9th, 1909: "Considerable surface work has been done and between 25 and 30 veins have been uncovered. A shaft has been sunk about 175 feet and about 280 feet of cross-cutting has been done. Good showings of silver have been found and a quartz vein in the cross-cut assayed $8.70 in gold."

Note.—Not in producing area.

No market. October 2nd, 1909.

THE CHAUDIERE MINES, LIMITED.

(Incorporated March 27th, 1907, under the Laws of Ontario.)

Head Office—Ottawa, Ont.

Directors—Hon. H. R. Emmerson, President; George R. Lyon, Vice-President; Oscar Forest, Secretary-Treasurer; P. O'Reilly, Managing Director; J. A. Scholl, R. B. Whyte, C. A. McCool, M.P., A. A. Fournier.

Authorized Capital—$1,500,000. Par value, $1.00.

Property—The company claimed to own 100 acres in Coleman Township.

Note.—A Director writes (September 8th, 1909): "The Chaudiere Mines have ceased to exist. The property was given up to the vendors and the company dissolved."

THE CHESTER SILVER MINING COMPANY, LIMITED.

(Incorporated September 30th, 1905, under the Laws of Ontario.)

Head Office—New Liskeard, Ontario.

Authorized Capital—$25,000. Par value, $1.00.

Note.—The solicitor of this company informs us: "This company is now completely out of existence."

CHICAGO COBALT SILVER MINING COMPANY.

Head Office—181 La Salle St., Chicago, Ill.

Directors—Andrew C. Dallas, Chicago, Ill., President; Francis A. Harper, Chicago, Ill., Vice-President; Thomas J. Della Hunt, Chicago, Ill., Secretary; Charles D. Dallas, Chicago; Frank L. Brown, Toronto.

Authorized Capital—$500,000. Par value, $1.00. 200,000 shares in treasury.

Property—The N.W. ¼ of the N. ½ of Lot 9, Concession 2, Township of Bucke. 40 acres.

Formation—Huronian.

Equipment—None.

Development and Veins—Very little development work has been done. Calcite and cobalt vein two to three inches wide traced for 400 feet.

Not in producing area.

This company was organized by the Wallace H. Hopkins Company, of Chicago. The firm has failed and we are informed that the control of the company has been purchased in court sale by Chicago parties.

CHOWN LAKE COBALT MINES, LIMITED.

(Incorporated November 4, 1908, under the Laws of Ontario.)

Directors—Dr. A. Groves, Fergus, Ont.; John D. Johnson, Toronto, Ont.; F. O. Mac 43 Victoria Street, Toronto, Secretary-Treasurer.

Authorized Capital—$150,000. 600,000 shares. Par value, 25 cents.

Property—40 acres, S.W. ¼ of the N. ½ of Lot 2, Concession 8, Township of Lorrain

Formation—Gabbro (Diabase).

Development—Practically no work has been done on it yet and no silver has been found on it. It is not in the producing area.

No market. October 2nd, 1909.

THE CLEAR LAKE MINING COMPANY, LIMITED.

(Incorporated May 16th, 1906, under the Laws of Ontario.)

Directors—J. M. Smith, Toronto, President; W. R. Smyth, Vice-President; A. D. Crooks, Toronto; A. G. Strathy, Toronto; Frank Plummer, Toronto; C. W. Lair, Toronto; F. J. Lighthbourne, Toronto.

Authorized Capital—$650,000. Par value, $1.00.

Note.—This company held 49 acres of patented ground, 24 acres being under Clear Lake and 25 acres being on the shore of the lake. On December 2nd, 1908, this company together with the Cleveland Cobalt Silver Mines, Ltd., was merged into the Consolidated Company known as Great Northern Silver Mines, Limited.

CLEOPATRA MINING COMPANY, LIMITED.

(Incorporated October 19, 1909, under the Laws of Ontario.)

Head Office—Trust Building, Ottawa, Ont.

Directors—Bannell Sawyer, Montreal, Que., President; D. Smiley Sawyer, Ottawa, Ont., Secretary-Treasurer; D. E. Waine, Ottawa, Ont.; E. P. Sawyer, Kingston, Ont.; [illegible] M. Sawyer, Cobalt, Ont.; W. F. Sawyer, Pincher Creek, Alta.

Authorized Capital—$2,000,000. Par value, $1.00.

Property—(1) Cobalt properties, located in Gillies Timber Limit: A. 24, [illegible] in all 52 acres. Royalty 10 per cent. (2) Larder Lake properties: L.M. 30, L.M. 31, L.M. 32, in all 94 acres. Patented. (3) Rainy River properties: 864 acres. Patented.

Development.—Trenching on Cobalt properties. Location fairly favourable.

CLEVELAND COBALT SILVER MINES, LIMITED.

(Incorporated Oct. 12, 1906, under the Laws of Ontario.)

Directors—J. M. Smith, Toronto, President; W. R. Smyth, Rydal Bank, [illegible] President; C. A. Post, Cleveland, Ohio; Frank Plummer, Toronto, Secretary; [illegible] Toronto; F. M. Kirk, Cleveland, Ohio; E. P. Kadlecek, Cobalt, Ont.

Authorized Capital—$1,000,000. Par value, $1.00.

Note.—This company owned 120 acres in Concessions 5 and 6, Coleman Township. On December 2nd, 1908, it formed with the Clear Lake Mining Company [illegible] a consolidated company known as Great Northern Silver Mines, Limited.

THE CRYSLER-NILES MINING COMPANY, LIMITED.

(Incorporated October, 1908, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Authorized Capital—$1,500,000. Par value, $1.00.

Directors—C. S. Crysler, Toronto, Ont., President; C. B. Niles, Toronto, Ont., Secretary-Treasurer.

Property—The company owns 80 acres, being: N.E. ¼, S. ½, Lot 2, Concession X. Lorrain; S.E. ¼, N. ½, Lot 2, Concession X. Lorrain.

Equipment—Boiler house, camp buildings, shaft house, etc., 4 drill compressors, 60 h.p. locomotive type boiler, single drum hoisting engine, pumps, etc.

Development—Shaft No. 1, located on the dividing line between the two claims, is sunk to a depth of over 200 feet. The principal vein in this shaft at the surface is about five inches wide and gradually increased to 97 feet in depth, where it left the shaft, pitching about 15 degrees from the vertical; assays taken at different depths on this vein all carried silver values, running from 3 to 200 ozs. per ton.

About 8,000 feet of trenching has been done on the surface of this property, exposing 8 or 10 other silver bearing veins, within easy reach of the present shaft, in addition to the one which is now being sunk.

Development work (sinking shaft) is being pushed rapidly. 25 men are employed.

Note.—A close corporation.

COBALT AMERICAN DEVELOPMENT COMPANY, LIMITED.

(Incorporated March 16, 1906, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Directors—P. D. Ellis, Toronto Junction, President; Dr. Bruce, Listowel, Ont., Vice-President; Dr. Groves, Fergus, Ont., Secretary; A. S. Green, Berlin, Ont., Treasurer; Wm. Younger, Toronto, Ont.; W. H. Kilby, Toronto, Ont.; J. G. Beam, Toronto, Ont.

Authorized Capital—$600,000. Par value, $1.00.

Property—100 acres in parts of Coleman and Bucke Townships, the principal claim being the S.E. ¼ of S. ½, Lot 8, Concession II., Bucke. (Enright Claim).

Note.—Not in producing area. Company out of existence.

COBALT AND BLANCHE RIVER SILVER MINING COMPANY, LIMITED.

(Incorporated February 1st 1907, under the Laws of Ontario.)

Head Office—Ottawa, Ontario.

Directors—John Connolly, Renfrew, Ont, President.

Authorized Capital—$500,000. Par value, $1.00

Note.—The organization of this company was never completed.

COBALT AND HUDSON BAY DEVELOPMENT COMPANY, LIMITED.

(Incorporated April 6, 1906, under the Laws of Ontario.)

Head Office—c/o Day, Ferguson & O'Sullivan, Haileybury, Ont.

Authorized Capital—$100,000.

Note.—A close corporation organized to buy and sell mining claims. Not an operating company.

COBALT ANNEX SILVER MINES, LIMITED

(Incorporated November 6th, 1906, under the Laws of Ontario.)

Head Office—Haileybury, Ontario.

Directors—A. T. Budd, 42 Admiral Road, Toronto; G. M. Petrie, Avenue Road, Toronto

Authorized Capital—$500,000. Par value, $1.00

Property—N.E. ¼ of S. ½, Lot 10, Concession 2, Bucke.

Note.—Property lying dormant.

COBALT BLUE SILVER MINING COMPANY, LIMITED.

(Incorporated March 1st, 1907, under the Laws of Ontario.)

Authorized Capital—$1,000,000.

Note.—The solicitors of the company inform us: "This company has never, so far as we are aware gone into active operation of any kind."

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COBALT BULLION MINES, LIMITED.

(Incorporated December 9th, 1906, under the Laws of Ontario.)

Head Office—Haileybury, Ont.

Directors—A. T. Budd, President; G. M. Petrie, 57 Avenue Road, Toronto, Secretary.

Authorized Capital—$1,000,000. Par value, $1.00.

Property—The W. ½ of the S.W. ¼ of the S. ½ of Lot 7, Concession 6, Township of Coleman.

The S.W. ¼ of the S. ½ of Lot 6, Concession 1, Township of Bucke.

Development—On the Coleman claim there is a shaft to a depth of 50 feet. It is now full of water. Upon the other claim no work has been done beyond the assessment work required.

Both properties are located outside of the producing area.

Market, Oct. 2nd, 1909. Offered at 12c.

COBALT CANADIAN MINING & MILLING COMPANY, LIMITED.

(Incorporated Oct. 13th, 1905, under the Laws of Ontario.)

Directors—George Jasperson, Kingsville, Ont., President; W. A. Smith, barrister, Kingsville, Ont., Vice President; S. L. McKay, Kingsville, Ont., Secretary; B. Jasperson, Kingsville, Ont., Treasurer; Darius Wigle, Kingsville, Ont.; Taylor Pyse, Cobalt, Ont.

Authorized Capital—$500,000. Par value, $1.00.

Property—Owned 80 acres, being the N. ½ of the S. ½ of Lot 8, Concession 2, Bucke Township.

Note.—Company went out of existence in 1907.

COBALT CENTRAL SILVER MINING COMPANY, LIMITED.

(Incorporated April 24, 1906, under the Laws of Ontario.)

Head Office—New Liskeard, Ont.

Authorized Capital—$500,000.

Note.—This company holds no property and is not operating.

THE COBALT CERTAINTY SILVER MINES, LIMITED.

(Incorporated March 13, 1907, under the Laws of Ontario.)

Head Office—533 Ellicott Square, Buffalo, N.Y.

Directors—T. F. Barding, Buffalo, N.Y., President; J. A. McLeod, Chicago, Ill., Vice-President; Henry S. Hill, Buffalo, N.Y., Secretary-Treasurer; I. M. Campsall, New Liskeard, Ont.; Thomas Warner, Cobalt, Ont.

Authorized Capital—$2,000,000. Par value, $1.00.

Property—20 acres; the W. ½ of the N.E. ¼ of the S. ½ of Lot 15, Concession 4, Township of Coleman.

40 acres; the S.W. ¼ of the N. ½ of Lot 2, Concession 10, Township of Lorrain.

40 acres; the N.W. ¼ of the S. ½ of Lot 5, Concession 2, Township of Bucke.

40 acres; No. 2535, Wendigo Lake District.

Note.—The solicitors of the company report, Sept. 22nd, 1909: "Out of business and claims sold to pay debts."

THE COBALT CHARTERED COMPANY, LIMITED.

(Incorporated April 27th, 1906, under the Laws of Ontario.)

The charter of this company has never been used for mining purposes.

COBALT CHIEF SILVER MINING COMPANY, LIMITED.

(Incorporated Nov. 28, 1906, under the Laws of Ontario. January, 1907.)

Directors—John L. Weller, President; Hubert E. Larkin, Vice-President; W. S. McNamara, St. Catharines, Secretary-Treasurer; William M. German, Welland, Ont.

Authorized Capital—$600,000. Par value, $1.00. 100,000 shares in treasury.

Property—W. ½ of the N.W. ¼ of the S. ½ of Lot 15, Concession 6, Township of Coleman, District of Nipissing, containing 20 acres. (Portage Bay District). Patented. Not in producing area.

Equipment—Buildings and small plant.

Development—The Secretary reports September 30th, 1909: "Shaft sunk about 90 feet, with about 35 feet of drifting at this level. Some other trenching done on a few places on the property.

"Operations have been suspended for the past year."

No market, Oct. 2nd, 1909.

COBALT COALITION MINING COMPANY, LIMITED.

(Incorporated 1906, under the Laws of the State of New Jersey, U.S.A.)

Head Office—15 Wall Street, New York.

Directors—Wm. E. Nichols, President; James B. Kilburn, Vice-President; Wm. V. Le Count, Secretary; L. Lanier Winslow, Treasurer; Percy E. Guard, David B. Helm, Charles H. Carrathers

Authorized Capital—$250,000. Par value, $1.00. 25,000 shares in treasury.

Property—60 acres, being W. ½, N.E. ¼, of N. ½, Lot 1, Concession IV, Coleman, 20 acres. Also 40 acres, adjoining Shepherd Lake, Ingram Township.

Title—Patent on Coleman Claim, and all necessary assessment work done on Ingram claim.

Development Trenching and shaft sunk on calcite vein, no values developed. Formation, diabase; good location.

Note.—No work done for two years. No market.

COBALT COMBINE SILVER MINES, LIMITED.

(Incorporated May 15th, 1907, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Solicitors—Lennox & Lennox, Toronto.

Authorized Capital.—$1,000,000. Par value, $1.00.

Note.—No further information obtainable.

COBALT CONFEDERATED MINES, LIMITED.

(Incorporated May 31st, 1906, under the Laws of Ontario.)

Head Office—Cobalt, Ontario.

Authorized Capital—$3,000,000. Par value, $1.00.

Note.—Organized to amalgamate several Cobalt properties. Deal was never consummated. Charter still in existence.

COBALT CONSOLIDATED MINES COMPANY, LIMITED.

(Incorporated March 16, 1906, under the Laws of Ontario.)

Head Office—Traders Bank Building, Toronto.

Authorized Capital—$2,500,000.

Close corporation holding stock in several Cobalt Companies.

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COBALT CONTACT SILVER MINES COMPANY, LIMITED.

(Incorporated May 16th., 1906, under the Laws of the Dominion of Canada.)

Directors—A. S. Munson, New York, President; C. L. Hanson, Cobalt, Ont., Vice-President; F. H. Brown, New York, Secretary-Treasurer; Ed. L. James, New York; F. W. Davis, J. C. Quinn, New York; S. L. McKay, Kingsville, Ont.

Authorized Capital—$300,000. Par value, 50 cents.

Property—40 acres; being the S.E. ¼ of the N. ½ of Lot 14, Concession 1, Township of Bucke.

Note.—September 24th, 1909: The property of Cobalt Contact Silver Mines Company was disposed of under foreclosure sale in Toronto some time ago. The company is at present in process of reorganization by Mr. Charles A. Stoneham, 54 Broad St., New York.

Market, Oct. 2nd, 1909, offered at 10c.

COBALT CRYSTAL SILVER MINES, LIMITED.

(Incorporated February 28th, 1907, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Solicitors.—Thomson, Tilley & Johnston, Toronto.

Directors—W. M. Hardinge, 43 Exchange Pl., New York, President; Charles D. Cook, Secretary-Treasurer.

Authorized Capital—$50,000.00.

Property—N.W. ¼ of N. ½, Lot 2, Concession 6, Coleman, 40 acres; E. ½ of N.E. ¼ of N. ½, Lot 3, Concession 6, Coleman, 20 acres—60 acres.

Development—Considerable development work has been done, including tunnels and prospect shafts.

Note.—Not working at present. This is a close corporation.

COBALT DELTA MINING COMPANY, LIMITED.

(Incorporated March 11th, 1909, under the Laws of Ontario.)

Head Office—Cobalt, Ontario.

Incorporator—H. A. B. Cooke, 71 Broadway, New York, P.O. Box 119, Cobalt, Ont.

Authorized Capital—$40,000. Par value, $1.00.

Note.—No record of this company ever having completed organization

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COBALT DEVELOPMENT COMPANY, LIMITED.

(Incorporated October 6, 1905, and July, 1906, under the Laws of Ontario.)

Head Office—16 King St. West, Toronto.

Transfer Office—Title & Trusts Co., Toronto.

Directors—A. M. S. Stewart, President; H. C. Secord, Secretary-Treasurer; R. A. Donald; G. deC. O'Grady.

Authorized Capital—$5,000,000, Par value, $1.00, 334,750 shares in treasury

Property—Four claims in Coleman Township. Two claims near Lake Animi, Nipissing, 80 acres; 1 claim in the Portage Bay district, 40 acres, E. ½ of N.E. ¼ of S. ½, Lot 9, Concession 6, 20 acres; 140 acres in all.

Title—Patented.

Note.—Not in producing area; no work done in 1908. Company controlled by Nipissing Central R.R.

Market, October 2nd, 1909, 2c 3c.

COBALT EAGLE SILVER MINES, LIMITED.

(Incorporated January 26, 1907, under the Laws of Ontario.)

Head Office—Ottawa, Ont.

Directors—Col. G. W. Hurdman, President; A. E. Honeywell, Barrister, Ottawa, Vice-President; Charles M. Farley, Ottawa, Secretary-Treasurer; W. H. Cluff, Ottawa; J. E. Hanna, Ottawa; F. W. Ford, Ottawa; J. W. Nelson, Ottawa.

Authorized Capital—$1,000,000. Par value, $1.00.

Property—S.E. ¼ of S. ½ Lot 14, Concession I, Bucke.

Development—Trenching. Two shafts down 30 and 50 feet. No work done for some time.

No Market.

COBALT ELDORADO MINES, LIMITED.

(Incorporated May 1, 1907, under the Laws of Ontario.)

Authorized Capital—$2,000,000. Par value, $1.00.

Property—Two lots in Concession 10, Township of Lorrain, on shore of Lake Temiskaming.

Note.—In liquidation. Union Trust Company, liquidators.

No market.

COBALT FINANCE SYNDICATE, LIMITED.

Directors—Frederick R. Knollys, Alfred R. Harvey, Capt. C. A. Harvey.

Secretary and Offices—Edwin J. Nicholas, Broad St. House, London, E.C.

This company was registered in England, September 13th, 1906, to acquire mines in Canada.

Authorized Capital is £18,100, preference shares £1 each, and 2,000 deferred shares of 1s. each.

Note.—No record in Cobalt of having been active.

THE COBALT GEM MINING COMPANY, LIMITED.

(Incorporated Jan. 1st, 1907, under the Laws of Ontario.)

Offices—238 242 Mint Arcade Building, Philadelphia, Pa., Rooms 32 34 Land Security Building, Toronto, Ont.

Directors—Pierre Delmasse, Philadelphia, Pa., President; John P. Hudson, Smyrna, Del., Vice-President; Geo. J. Childs, Philadelphia, Pa., Secretary Treasurer; George M. Hurd, Philadelphia, Pa.; W. S. Lilly, Bethlehem, Pa.; Dr. Wm. H. Potter, Niagara Falls, N.Y.

Authorized Capital—$1,000,000. Par value, $1.00. 100,000 shares in treasury.

Property—Twenty and one half acres; being the E. ½ of the S. W. ¼ of the S ½ of Lot 3, Concession 4, Township of Coleman.

Title—Patent granted.

Equipment—Shaft house, cabin and other necessary buildings.

Development—Over 2,500 feet of trenching and about 250 feet of shafts and tunnels.

The management reports September 6th, 1909: "We are now operating the property and have about 20 men working on it."

Note.—Good location. Formation, diabase.

Market, Oct. 2nd, 1909, offered at 20c.

THE COBALT GOWGANDA CONSOLIDATED MINING COMPANY, LIMITED.

(Incorporated under the Ontario Companies' Act, and the Laws of Arizona, U.S.A.)

Head Office.—318 Pearl Street, Buffalo, N.Y.

Directors—Whitney G. Case, Buffalo, N. Y., President; Joseph P. Fell, Buffalo, N.Y., Vice-President; Matthew Keller, Buffalo, N. Y., Secretary; George A. Jeffrey, Buffalo, N.Y., Treasurer; Chester W. Fell, Fred. A. G. Merrill, Robert E. L. Townshend.

Authorized Capital—$2,000,000. Par value, $1.00. 1,000,000 shares in treasury.

Note.—This company owns property in the Montreal River district, Gowganda, and Cobalt districts. The Coleman properties consist of two claims near Bay Lake located several miles from the producing area. Two shafts have been sunk on these properties, one 30 and the other 50 feet deep.

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COBALT HOLDING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office—Windsor, Ontario.

Directors—R. M. Dyar, Detroit, Mich., President; M. W. Taberner, Detroit, Mich.; J. W. Kay, Detroit, Mich.; R. H. Macqueen, Detroit, Mich.; Russel B. Thayer, Saginaw, Mich.

Authorized Capital $200,000. Par value, $1.00. 120,000 shares for development purposes.

Property—Two patented claims of 40 acres each.

(1) N.E. ¼ of the N. ½ of Lot 2, Concession 3, Township of James.

(2) S.W. ¼ of the S. ½ of Lot 1, Concession 10, Township of Lorrain.

Development—Work being done on property No. 1; no work going on on property No. 2. (September 20th, 1909.)

Note.—Lorrain property out of the producing area.

COBALT LAGUNA MINING CORPORATION, LIMITED.

(Incorporated February 9th, 1909, under the Laws of Ontario.)

Head Office—Cobalt, Ont.

Transfer Office—29 Broadway, New York.

Solicitor—S. White, K.C., Cobalt, Ont.

Directors—Gustavus A. Kaven, President; Clark H. Abbott, Att. at Law, New York, Secretary-Treasurer; Geo. E. Bogardus, John C. McKibbin.

Authorized Capital—$300,000. Par value, $1.00. 150,000 shares in treasury.

Property—20 acres on the north-west shore of Sasaginaga Lake, being the S. ½ of the N.E. ¼ of the N. ½ of Lot 8, Concession 6, Township of Coleman.

Formation.—Keewatin diabase and conglomerate.

Title—Patent applied for.

Development—400 feet of trenching. Active development during summer of 1909.

No market, October 2nd, 1909.

COBALT LEASERS, LIMITED.

(Incorporated under the Laws of Ontario in 1909.)

Head Office—Haileybury, Ont.

Directors—Cyril T. Young, Haileybury, President; B. W. Leyson, Cobalt, Vice-President; Theo. H. Connor, Haileybury, Secretary-Treasurer; Thomas R. Jones, Cobalt.

Authorized Capital—$75,000. Par value, 25 cents. Treasury stock, 80,000 shares.

(Note.—220,000 shares of the par value of 25 cents were used in payment for the said lease, the remaining 80,000 being placed in the treasury to be sold for the purpose of development and for other purposes.)

Property—The present holdings of the company consist of the lease from the Peterson Lake Cobalt Silver Mining Company, Limited, as described on their official map as Sections D, E and F, Lot 8.

Equipment—None.

Development—Surface trenching and test pits with diamond drilling. Property well fissured. Several calcite veins.

COBALT LORRAIN MINING & DEVELOPMENT COMPANY, LIMITED.

Incorporated April 10th, 1907, under the Laws of Ontario.)

Directors—W. Channing Burbank, 111 Broadway, N.Y., President; Oliver Adams, 55 Glen Rd., Toronto, Vice-President; A. W. Morriss, 71 Broadway, New York, Sec.-Treas.; H. A. B. Cooke, Cobalt, Ont.

Authorized Capital—$1,500,000. Par value, $1.00.

Location of Property—2 patented claims, 40 acres being the N. ½ of the S. ½ of Lot 5, Concession XI, Township of Lorrain.

2 recorded claims, 40 acres, in Lot 5, Concession VII, Township of Lorrain.

3 recorded claims, 40 acres, near Paradise Bay. 280 acres in all.

Equipment—None

Development—Some trenching and prospect pits. No values located. None of the properties are near the producing area.

No market.

COBALT MAGNET MINES, LIMITED.

(Incorporated March 22nd, 1907, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Solicitors.—Macdonell & Boland, Toronto

Authorized Capital—$600,000.

Note.—No further information obtainable.

COBALT MAJESTIC SILVER MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office—8 Colborne Street, Toronto.

Transfer Office—Trusts and Guarantee Company, Limited.

Directors—J. W. Siddall, Toronto, President; R. B. Rice, Toronto, Vice-President; C. B. Murray, Toronto, Secretary-Treasurer.

Authorized Capital—$2,500,000. Par value, $1.00. 2,011,400 shares issued.

Property—240 acres in the Township of Coleman; 40 acres in the Township of Lorrain; 40 acres in the Township of Harris.

The company also owns controlling interest in stock of Empress Cobalt Silver Mining Company, Limited.

Development—The secretary reports, September 8th, 1909: "Work has been done on these claims during 1909."

Not in productive area.

Market, October 2nd, 1909, 3¼c 4½c.

COBALT MERCHANTS MINING COMPANY, LIMITED.

(Incorporated October 31st, 1905, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Authorized Capital—$200,000. Par value, $1.00.

Note.—Charter cancelled. Out of business.

COBALT MERGER, LIMITED.

(Incorporated December 28, 1906, under the Laws of Ontario.

Head Office—Ottawa, Ont.

Directors—George Goodwin, Ottawa, Ont., President; T. A. Beamont, Ottawa, Ont.; John G. Turriff, M.P., Ottawa, Ont.; S. S. Sharpe, Uxbridge, Ont.; S. B. Morrison, Rodney, Ont.

Authorized Capital—$2,000,000. Par value, $1.00. 150,000 shares in treasury.

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Property—Two patented claims, being the N.W. ¼ of the S. ½ of Lot 2, Concession 4, Township of Coleman, 40 acres; E. part of the S. ½ of Lot 3, Concession 4, Township of Coleman, 52 acres—92 acres in all.

Equipment—Buildings and tools.

Development—Several hundred feet of trenching; one shaft about 45 feet, and some diamond drilling from this shaft.

Note.—This company when organized included the Morrison claims, which are now the property of the Red Jacket Mining Company. These claims were lost on account of default of payment. The company reports the location of 21 veins on the property which they now hold. No important discoveries have been made. The formation is diabase, and the location is good. Work was discontinued on account of lack of funds, but on Tuesday, September 28th, 1909, a controlling interest was secured by the Right of Way Company by the purchase of 1,000,000 shares of the stock and the above directorate elected.

Market, October 2nd, 1909, offered at 18c

COBALT MINES AND EXPLORATION SYNDICATE, LIMITED.

London, England.

Directors—Douglas J. Neame, Chairman; J. Crossland Taylor; E. W. Fradgley; F. G. Aman.

Solicitors—Nash, Field & Co

Bankers—London City and Midland Bank, Limited.

Auditor—C. E. Hamilton Smith

Secretary and Offices—N. Bogle French, 41 Threadneedle St., London, E.C

Telegrams—Tayeul, London. N.T. 2477 Wall.

Note.—This company was registered December 27th, 1905, to adopt an agreement with E. G. Aman and to explore for minerals in Canada.

The authorized capital is £5,000, in 4,750 preference shares of £1 each and 5,000 deferred shares of 1s. each; 3,582 preference and 4,415 deferred shares are issued and fully paid. The preference take all profits until they have received 100 per cent.; they then take half profits, deferred taking the remainder

Transfer form, common; fee, 2s 6d.

COBALT MINES SYNDICATE, LIMITED.

(Incorporated December 28th, 1906, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Solicitors.—Day, Ferguson & O'Sullivan, Toronto, Ont.

Directors—Capt. John Mitchell, Cleveland, Ohio, President; F. Wallace White, Machesney Bldg., Pittsburg, Pa., Secretary and Manager.

Authorized Capital.—$100,000. Par value, $1.00.

Property—S.W. ¼ of N. ½, Lot 10, Concession 1, Bucke.

Development—The company did some development work and sank a shaft on a calcite vein.

Note.—The company was incorporated to hold properties, and the stock was all issued to the Mitchell Mining Company of Arizona.

Shares in a syndicate, entitled Mines Syndicate, were sold in the States. The above company was one of the assets of this syndicate.

Owing to litigation and differences between the directorate work on the property was stopped.

Not operating.

COBALT MOHAWK MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

The name of this company was changed July 31, 1907, to Giroux Reef Silver Mining Company, Limited.

COBALT MONARCH MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario Nov. 24, 1906.)

Head Office—Toronto, Ont.

Transfer Office—The Trusts & Guarantee Company, Limited

Directors—James L. Hughes, C.I.P.S., Toronto, President; George K. Morrow, Broker, New York.

Authorized Capital.—$1,000,000. Par value $1.00.

Property—40 acres, N.W. shore of Sasaginaga Lake

Development—The president informs us, September 30th, 1909: "The Cobalt Monarch has not been doing any work for some time."

No market.

THE COBALT MUTUAL MINES COMPANY, LIMITED.

(Incorporated January 4, 1907, under the Laws of Ontario.)

Head Office—Haileybury, Ont.

Business Office—Cleveland, Ohio.

Directors—W. V. Coons, (W. V. Coons & Co., Bankers,) Cleveland, Ohio, President; Isaac Davis, Findlay, Ohio, Vice President; Fred Edwards, Cleveland, Ohio, Secretary Treasurer; R. G. Hemingray, Muncie Ind.; Frank C. Caine, Cleveland, Ohio; R. W. Harris, Streator, Ill.; J. M. Barr, Findlay, Ohio; J. C. McDowell, Pittsburg, Pa.; J. R. Hoge, Cleveland, Ohio.

Authorized Capital—$5,000,000. Par value, $1.00. 200,000 shares in treasury.

Property—500 acres, being:

(1) 40 acres, Lot 1, Concession IV, Bucke.

(2) 40 acres, Lot 7, Concession IV, Bucke.

(3) 160 acres, Lot 6, Concession I, Firstbrook.

(4) 160 acres, Lot 5, Concession II, Firstbrook.

(5) 160 acres, Lot 3, Concession VI, Firstbrook.

None of these properties are in or near the area of proven silver enrichment.

Note.—Not working.

No Market.

COBALT NATIONAL MINES, LIMITED.

(Incorporated January 8th, 1909, under the Laws of Ontario.)

We are informed, September 30th, 1909, that this company has not started business and has no intention at present of doing so.

THE COBALT NORTH ONTARIO MININC COMPANY OF OKLAHAMA.

Head Office—213 Randolph Street, Chicago, Ill., U.S.A.

Directors—B. L. Hotchkin, President; George A. Mason, Secretary Treasurer; W. H Altman, E. Amant, C. M. Cabman.

Authorized Capital—$500,000. Par value $1.00.

Note.—This company is a holding company owning the Cobalt North Ontario Mining Company, Limited. (which see).

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COBALT NATIVE SILVER MINING COMPANY, LIMITED.

(Incorporated November 7, 1906, under the Laws of Ontario.)

Head Office—Haileybury, Ontario.

Directors—A. T. Budd, 42 Admiral Road, Toronto, and Haileybury, Ont.; W. A. Seller, Cobalt, Ont.

Authorized Capital—$500,000. Par value, $1.00.

Property—N.W. ¼, S. ½, Lot 10, Concession 2, Bucke.

Note.—No work done recently.

THE COBALT NORTH-ONTARIO MINING COMPANY, LIMITED.

(Incorporated January 31st, 1906, under the Laws of Ontario.)

Head Office—Haileybury, Ont.

Transfer Office—213 Randolph Street, Chicago, Ill., U.S.A.

Directors—B. L. Hotchkin, President; George A. Mason, Secretary and Treasurer; W. H. Altman, E. Amant, C. M. Cabman.

Authorized Capital—$40,000. Par value, $1.00.

Property—Consists of 40 acres in the S.E. corner of the S. ½, Lot 3, Concession IV, Bucke Coleman Mining District.

Formation—Diabase.

Equipment—Necessary cabins, tools, supplies, etc., for six men.

Development—A tunnel of 80 feet along the main vein showing calcite with chalcopyrite and smaltite. Trenching on the surface proving a vein 1,000 feet in length. Three shafts from 12 to 22 feet in depth and a 45 foot shaft sunk in front of the tunnel.

Note.—Operating company for the Cobalt North Ontario Mining Company of Oklahoma.

Not in or near the producing area. Working.

No Market.

COBALT NORTH STAR SILVER MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario, February 8, 1907.)

Directors—H. J. Hopkins, President; S. A. Grove, Vice President; W. C. Paul, Secretary Treasurer; Wiley Ward, F. R. Lawson, Fred. M. Coombs.

Note.—This company had an option on the S.W. ¼ of the N. ½ of Lot 1, Concession 10, Lorrain Township. The stock was offered at 25 cents a share.

The head office of the company was 672 Ellicott Square, Buffalo, N.Y.

The title of the property has reverted to the original owner.

COBALT NUGGET SILVER, LIMITED.

(Incorporated April 28th, 1906, under the Laws of Ontario.)

Head Office—Haileybury, Ont.

Transfer Office—Head office.

Directors—Cyril T. Young, Haileybury, Ont., President; A. E. Whitley, Haileybury, Ont., Vice President; Theo. H. Connor, Haileybury, Ont., Secretary Treasurer; Hedley Hennessy, Haileybury, Ont.; Murdoch McLeod, New Liskeard.

Authorized Capital—$40,000. Issued, $32,000.

Property—One property in South Lorrain, two properties in Maple Mountain section, four properties in Miller-Everett Lake section, two properties in Bucke Township.

Title—On all properties the working conditions under the Mining Act complied with. Patents and leases on several properties.

Equipment—None.

Development On all properties development is confined to surface trenching and test pits

Note.—Formed as a prospecting and development company

Market, October 2nd, 1909, offered at 5c

COBALT PAYMASTER MINES, LIMITED.

(Incorporated 1909, under the Laws of Ontario.)

Head Office—51 Yonge Street, Toronto, Ontario

Solicitors—Bartram & Wadsworth, Toronto, Ont

Directors—Capt. John Trethewey, Toronto, Ont., President; F. H. Schland, Toronto, Secretary Treasurer; J. M. Spinks; Louis Dunker, Pittsburg, Pa.; Samuel Maddin, Toronto

Authorized Capital $2,000,000. Par value, $1.00. 600,000 shares in treasury

Property A lease on N.W. ¼, N. ½, Lot 6, Concession VI, Coleman, with option to purchase.

Leases from the Cobalt Treasure Mining Company on mining claims 525, 524, 523 and 678 in Sasaginaga Lake, Coleman Township, with option to purchase

Formation—Keewatin, diabase, and conglomerate. The Keewatin lies in the south east corner, while a diabase dyke extends to the north to Sasaginaga Lake. The conglomerate occurs in that arm of Sasaginaga Lake which projects into the Trethewey property.

The shaft was sunk about 150 feet north west of the south east corner post and a cross cut at the 115 foot level strikes the diabase 150 feet from this point, whereas on the surface the contact is nearly 200 feet distant from the shaft.

Veins and Development—The main shaft has been sunk to a dept'h of 115 feet, and a cross cut made in a northerly direction for 200 feet. In cross cutting three veins were encountered, known as numbers 3, 4 and 5.

Vein No. 5 is a strong vein from four to five feet between walls, and has steadily improved in strength, having at times 7 or 8 inches of calcite, showing smaltite, chalcopyrite and some niccolite

Vein No. 4 was cut about 140 feet from the shaft. This is a contact vein with from 6 to 18 inches of calcite heavily mineralized with cobalt, and carrying some silver

The present shaft was started upon a cobalt lead from which assays were taken which ran 1,000 ounces to the ton in silver. The present shaft was continued to its present level in order to make a working shaft. On the shores of Sasaginaga Lake, four veins have been discovered. The first one, a 4 inch vein of calcite, running east and west, 200 feet farther north a quartz vein heavily mineralized with iron and copper pyrites was encountered. In the East Arm there are two more veins. A new vein was recently located 200 feet north of vein No. 4. A shaft 25 feet deep sunk on this vein shows 18 inches of calcite

Equipment There is at present on the property a 50 h.p. boiler, a 4 drill compressor, 3 pumps, and a 5 x 7 hoist, all in good working order. There is a good head house, engine house, blacksmith shop, storehouse, ice house and cottage on the property

Note. Two diamond drills are now working. The location is favourable.

Market: Offered at 25c on Oct. 30th, 1909.

THE COBALT PORTAGE MINES, LIMITED

(Incorporated October 26, 1906, under the Laws of Ontario.)

Directors—Poynter Standly, Chicago, President; Charles B. Stafford, Chicago, Secretary Treasurer; Holmes Cowper.

Authorized Capital $1,000,000. Par value, $1.00. 400,000 shares in treasury.

Property 20 acres, being the S. ½ of the S.W. ¼ of the N. ½ of Lot 15, Concession, Township of Coleman

Title—Patent applied for

Note.—The claim is not in the productive area. The mine is not operating.

No market.

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THE COBALT RAVEN MINING COMPANY, LIMITED.

(Incorporated April 16th, 1907, under the Laws of Ontario.)

Head Office—Ottawa, Ontario.

Solicitors—Perkins, Fraser & Gibson, Ottawa, Ont.

Directors.—T. Sydney Kirby, 35 Gloucester St., Ottawa, President; Charles Higgerty, 105 Waverley St., Ottawa, Secretary Treasurer; Ralph T. Holcomb, Ottawa, Ont.; John James Collins, Ottawa, Ont.; Edward P. McGrath, Ottawa, Ont.

Authorized Capital—$600,000. Par value, $1.00.

Note.—The above information was obtained from the Annual Report of the company for the year ending December 31st, 1907, filed in the Provincial Secretary's office.

THE COBALT ROSARIO MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office—8 Notre Dame Street East, Montreal, Que.

Transfer Office—8 Notre Dame Street East, Montreal, also 6 King Street West, Toronto.

Directors—T. A. Emmans, Montreal, President; Col. Chas. A. Smart, Montreal, Vice President; J. T. Armand, Montreal, Secretary Treasurer; J. H. Sherrard, Montreal; Geo. A. Childs, Montreal; S. F. Rutherford, Montreal; John A. Staples, Newburg, N.Y.

Authorized Capital—$1,000,000. Par value, $1.00.

Property—Two patented claims of 20 acres each, more or less, in the N.E. part of Lot 18, Concession 6, in the Township of Coleman, District of Nipissing.

Equipment—Camp buildings, destroyed by fire.

Development—The secretary reports: "One shaft on No. 1 Lot, 45 feet, and about 800 feet of trenching. One shaft on Lot No. 2, 12 feet, and about 700 feet of trenching."

Note—Several miles from the proven production area.

No market October 2nd, 1909.

COBALT SILVER BELL MINES, LIMITED.

(Incorporated May 8th, 1907, under the Laws of Ontario.)

"Have never used charter for mining purposes."

COBALT SILVER CRESCENT, LIMITED.

(Incorporated under the Laws of Ontario.)

The name of this company was changed February 18th, 1907, to Kismet Mines, Limited.

COBALT SILVER CROWN, LIMITED.

(Incorporated December 21st, 1906, under the Laws of Ontario.)

Head Office—Toronto, Ont.
Solicitors—Denton, Dunn & Boultbee.
Authorized Capital—$1,000,000. Par value, $1.00.
Note.—Title changed March 3rd, 1907, to Deep Rock Cobalt Silver Mines, Limited.

COBALT SILVER FOUNTAIN MINES, LIMITED.

(Incorporated July 12th, 1907, under the Laws of Ontario.)

Charter never used.

THE COBALT SILVER MOUNTAIN MINING COMPANY, LIMITED.

(Incorporated January 29th, 1907, under the Laws of Ontario.)

Head Office—193 Sparks St., Ottawa.

Directors—C. A. Douglas, Ottawa, President; Dr. A. T. Shillington, Ottawa, Vice President; A. H. Fitzsimmons, Ottawa, Secretary Treasurer; Dr. O'Connor, Jr., Ottawa; D. J. Driscoll, Ottawa; A. G. Penman, Ottawa.

Authorized Capital—$1,000,000. Par value, $1.00. 300,000 shares in treasury.

Property—12 acres; being the N. part of S. ½ of S.E. ¼ of Lot 3, Concession 4, Coleman Township.

Title—Patented.

Equipment—Full equipment.

Development—Under lease at present to J. A. Jacobs of Montreal, who has been doing continuous work and has located some 30 promising veins but with no high grade ore showing to date.

No market, October 2nd, 1909.

COBALT SILVER PRINCE, LIMITED.

Incorporated November 16th, 1906, under the Laws of Ont.

Head Office—Cobalt, Ont.

Directors—H. H. Lang, Cobalt, Ont., President; Matthew Finn, President; R. J. Jemmett, Cobalt, Ont., Secretary Treasurer; S. D. [illegible] Harry Campbell, New Liskeard, Ont.; Donald Crawford, New Liskeard; [illegible] Larsen, Cobalt, Ont.; Ralph C. Dyer, Detroit, Mich.

Authorized Capital—$1,000,000. Par value, $1.00.

Property—40 acres, west of the Pontiac and east of the Farah, being the S. ½ of Lot 2, Concession 5, Township of Coleman.

Title—Patented.

Equipment—None.

Development—None.

Note—This company's property is well situated. No market.

COBALT SILVER PRODUCER COMPANY, LIMITED.

Incorporated December 24th, 1908, under the Laws of Ontario.

Head Office—Toronto, Ontario.

Solicitors—Baird & Mackenzie, Toronto.

Directors—Samuel B. Ardis, Grand Haven, Mich., President and Treasurer; Mark Ardis, Grand Haven, Mich., Vice President; Charles Gregory Turner, solicitor, Grand Rapids, Mich., Secretary; Charles V. Marker, Grand Rapids, Mich.; John H. Roberts, Grand Rapids, Mich.

Authorized Capital—$400,000. Par value, $1.00. 200,000 shares in treasury.

Property—N.W. ¼ of N. ½, Lot 2, Concession 7, Bucke, 40 acres.

Equipment—Bunk house and tools.

Development—Small amount of stripping. Shaft 47 feet on good calcite vein.

Note—No further information obtainable.

THE COBALT SILVER WEDGE MINES, LIMITED.

(Incorporated June 12, 1907, under the Laws of Ontario.)

Authorized Capital—$1,000,000. Par value, $1.00.

Directors.—P. J. Finlan, Cobalt, Ont., President; Edgar Murray, Cobalt, Ont., Vice President and Secretary; F. C. Powell, Haileybury, Ont., Treasurer.

Property—(1) S.E. ¼, S. ½, Lot 10, Concession III, Bucke, 40 acres; (2) S.E. ¼, S. ½, Lot 4, Concession 4, Bucke, 40 acres; (3) N.W. ¼, N. ½, Lot 5, Concession III, Bucke, 40 acres; 120 acres.

These properties are all outside the area of proven silver enrichment.

We are informed by the solicitors that this company is defunct.

No market.

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COBALT SILVER HILL MINES, LIMITED.

(Incorporated February 3rd, 1908, under the Laws of Ontario.)

Head Office—Cobalt, Ontario.

Solicitor—Arthur Cohen, Temple Building, Toronto.

Directors—S. H. Madden, President; George Mitchell, Vice President; Wm. M. Graham; John J. Anderson; Robert H. Hall.

Authorized Capital—$1,000,000. Par value, $1.00.

Property—S. ½ of N.W. ¼ of N. ½, Lot 3, Concession II, Coleman.

Title—Patented.

Development—Trenching.

Note.—Heavy drift overlies this property—not active at present.

COBALT SMILEY MINING COMPANY

(Incorporated under the Laws of Arizona, U.S.A.)

Head Office—Room 820, First National Bank Building, Chicago, Ill., U.S.A.

Directors—James C. McMichael, Chicago, Ill., President; William Jarvis, Louisville, Ky., Vice President; Jesse E. Roberts, Chicago, Ill., Secretary Treasurer; Henning [illegible] bers, Louisville, Ky.; K. M. Mayer, Chicago, Ill.

Authorized Capital—$2,000,000. Par value, $1.00 each. Shares issued [illegible] Shares in treasury, 321,847.

Property—This company owns all the capital stock (except five shares) of the [illegible] Smiley Mining Company, Limited, a corporation existing under the Laws of the Pr[illegible] of Ontario (which see).

COBALT SMILEY MINING COMPANY

(Incorporated November 19th, 1908, under the Laws of Ontario.)

Note.—This company is a holding company, the stock (except five shares) all being owned by a corporation of a similar name organized under the laws of Arizona (which see).

Authorized Capital—$40,000. Par value, $1.00.

Property—Consists of two mining claims of 40 acres each in the Township of Bucke, in the District of Nipissing, described more particularly as: The S.W. ¼ and the N.W. ¼ of the S. ½ of Lot 15, of the 1st Concession, Township of Bucke.

A patent has been issued for each of these claims.

Development—The secretary of the company reports that no w[illegible] has been done [illegible] the mine for a year, but that operations will shortly be recommenced.

COBALT STATION GROUNDS MINING COMPANY LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office—c/o J. B. Watson, 15 Queen Street, Ottawa, Ont.

Transfer Office—c/o J. B. Watson, 15 Queen Street, Ottawa, Ont.

Solicitors—Beament & Armstrong, Ottawa, Ont.

Directors—T. A. Beament, Ottawa, Ont., President; J. P. Dickson, Ottawa, Ont., Vice President; Dr. J. D. Courtenay, Ottawa, Ont.; D. E. Johnson, Ottawa, Ont.; A. Rosentha[illegible] Ottawa, Ont.; J. B. Watson, Ottawa, Ont., Secretary Treasurer.

Authorized Capital—$500,000. Par value, $1.00.

Location and Area—Property consists of two parcels of land, 19 acres i[illegible] from the Temiskaming & Northern Ontario Railway Commission under a 100 [illegible] lease. The larger parcel of the ground stretches for near seven eighths of a mile from northeast to southwest, and embraces the reservation made for station and terminal [illegible] Cobalt. The other parcel consists of two city lots, Nos. 388 and 389, immediately adjoining the first parcel.

Formation—Lower Huronian rocks, consisting mostly of conglomerates and slates, with a small quantity of diabase coming to the surface at the north end.

Development—Operations were commenced in November, 1908, sixty men being employed in surface prospecting for about three weeks, during which time eleven calcite veins were uncovered, ranging from 1 to 18 inches in width. So far no silver values of importance have been located.

Pending selection of the best place for sinking shaft and erecting plant, an arrangement was entered into with the Cobalt Lake Mining Company for the use of their No. 4 drift and supply of power, etc., required for the purpose of exploring the southern portion of the property. This drift is being worked at the 150 foot level, and will be continued southwest, cross-cutting veins 10, 11 and 12, as well as for exploration of the whole southern end of the property. As soon as a suitable place is selected, an upraise will be made for a working shaft, which will greatly facilitate the work.

No market, October 19, 1909.

COBALT SUPERIOR MINING CORPORATION, LIMITED.

(Incorporated October 17th, 1907, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Solicitors—Shilton, Wallbridge & Co., Toronto.

Directors—A. W. Draper, 3rd & Porter Sts., Detroit, Mich., President.

Authorized Capital—$1,000,000. Par value, $5.00.

Note.—No further information obtainable.

COBALT SYNDICATE OF MONTREAL, LIMITED.

(Incorporated March 25th, 1907, under the Laws of Ontario.)

Head Office—34 Victoria Street, Toronto, Ont.

Directors—W. J. White, K.C., 11 Place D'Armes, Montreal, President; Paul Rainville, Montreal, Que., Secretary-Treasurer; W. T. Whitehead, Montreal, Que.; Hon. N. Perodeau, Montreal, Que.; J. M. Wilson, Montreal, Que.; Hon. H. B. Rainville, Montreal, Que.; J. M. Fortier, Montreal, Que.

Solicitors—Day, Ferguson & O'Sullivan, Toronto.

Authorized Capital—$600,000. Par value, $1.00.

Property—A fraction lying south of the S. ½ of the S.E. ¼ of N. ½, Lot 5, Concession 4, Coleman, patented.

Formation—Diabase.

Note.—In promising area. Development work in progress.

Not on market.

COBALT TOWNSITE MINING COMPANY, LIMITED.

(Incorporated April 9th, 1906, under the Laws of Ontario.)

Head Office—1125 Traders Bank Building, Toronto, Ont.

Transfer Office.—Office of company.

Directors—W. R. P. Parker, Toronto, Ont., President; Rupert Simpson, Simcoe, Ont., Secretary-Treasurer; B. A. C. Craig, Toronto, Ont.; F. M. Devine, Renfrew, Ont.; John McKay, Renfrew, Ont.

Authorized Capital—$100,000. Par value, $1.00.

All of the capital stock of this company is held by an English company—Capital £230,000. Par value, £5.

Property—This company owns a 999 years' lease, from the Toronto & Northern Ontario Railway, of the S.W. 38 acres of the town of Cobalt. The lease is on the basis of 25% royalty on all ore produced.

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Production—The Townsite Mine produced 143.22 tons in 1907, and 177.71 tons in 1908, or a total of 320.93 tons. The last shipment was made in November, 1908. This property was shut down in February, 1909, and remained inactive until August, when operations were resumed.

Development—For the present operations will be confined to Shaft No. 7, near the City of Cobalt line. This shaft is down 115 feet with a station at the 100 foot level, at which level 3 veins have been worked.

Drifting has been started on Nos. 26 and 28, two narrow veins of niccolite and silver assaying from 2,000 to 3,000 ounces.

From the main shaft, which is at present unwatered, over 2,000 feet of underground work has been done. This shaft is 125 feet deep.

Equipment—5 drill compressor; 100 h.p. boiler; hoists; drills, and suitable buildings.

Formation—Conglomerate overlying Keewatin.

Note.—While no large ore bodies have been blocked out on this property, the location and formation are distinctly favourable. Shipments should be resumed before the end of this year.

COBALT TOWNSITE SILVER MINING COMPANY OF CANADA, LIMITED.

London, England.

Directors—(Qualification, £1,000) Col. Sir A. C. F. FitzGeorge, K.C.V.O., C.B., Chairman; resident in Canada (no qualification), F. W. Rose, John Mackay, Alfred J. Young, W. McVittie.

Consulting Engineer—W. J. Barnett.

Solicitors—Burn & Berridge.

Bankers—Parr's Bank, Limited.

Auditors—Tansley Witt & Co.

Secretary and Offices—R. F. Eden, 741-5 Salisbury House, E.C. Telegrams and Cables Silverbait, London. Codes: Leiber's, Bedford McNeill. P.O.T., 2643 Central.

This company was registered October 11th, 1906, to acquire 45,000 fully paid shares of £1 each (being all the issued capital) in the Cobalt Townsite Mining Company, Limited, registered in Ontario, and owning a lease for 999 years from March, 1906, of silver mining properties at Cobalt, Northern Ontario, Canada. The consideration was £180,000 in fully paid shares.

The authorized capital is £200,000, in 200,000 shares of £1 each; 180,007 shares are issued and fully paid.

The accounts to October 31st, 1907, submitted December 31st, 1907, showed £1,888 to debit of profit and loss account; cash £742, debtors £24, advance to Cobalt Townsite Mining Company, Limited, £8,240; creditors £415, loan and interest £5,661.

January 23rd, 1907, was appointed settling day in shares Nos. 1 to 180,007.

Transfer form, common; fee 2s 6d.

See Cobalt Townsite Mining Company, Limited.

COBALT TREASURE MINING COMPANY, LIMITED.

(Incorporated November, 1908, under the Laws of Ontario.)

Head and Transfer Office—Commercial Travellers Building, Toronto.

Directors—J. M. Spinks, Toronto, President; W. J. Morrison, Toronto, Vice President; J. H. Schlund, Toronto, Secretary; Thomas Hector, Toronto; John Trethewey, Toronto.

Authorized Capital—$1,000,000. Par value, $1.00. 400,000 shares in treasury.

Property—A lease, with option to purchase, from a syndicate, of Mining Claims 523, 524, 525 and 678, under water in Sasaginaga Lake. Patented.

Development—4,000 feet of stripping when water was low; three leads uncovered.

Note.—This company was amalgamated, May 6, 1909, with the Cobalt Paymaster Mines, Limited (which see.)

No Market.

THE COBALT TWINS SILVER MINING COMPANY, LIMITED.

(Incorporated September 20, 1909, under the Laws of Ontario.)

Head Office—180 St. James Street, Montreal, Que.

Directors—William Mann, Montreal, Que., President; Paul Galibert, Montreal, Que., Vice-President; Israel Blumenthal, Montreal, Que., Secretary-Treasurer; L. T. Marechal, Montreal, Que.; J. Aug. Mann, Montreal, Que.; E. M. O'Brien, Montreal, Que.; Alex. L. Bonin, Montreal, Que.

Authorized Capital—$2,000,000. Par value, $1.00. 500,000 shares in treasury.

Property—40 acres, Patented, being: (1) W. ½, N.W. ¼, N. ½, Lot 1, Concession VI, Coleman; (2) N. ½, S.W. ¼, N. ½, Lot 1, Concession VI, Coleman.

Development—On No. 1 property a shaft 50 feet deep has been sunk, on a strong well-defined calcite vein, carrying smaltite and small silver assays. Some stripping has been done, showing a number of veins which have been traced for some distance on the surface.

On No. 2 property a shaft has been sunk some 25 feet on a vein carrying silver assays, cobalt and niccolite in encouraging quantities.

Market, Oct. 23rd, 1909, 15½c 18c.

COBALT UNION MINES, LIMITED.

(Incorporated November 16, 1906, under the Laws of Ontario.)

Head Office—Frank Somers, Beeton, Ont

Directors—Frank Somers, Beeton, Ont., President; J. A. Jackson, 505 Queen Street West, Toronto, Secretary Treasurer; Chas. A. Pyne, 15 Lawlor Building, Toronto; Walter Chapman, Uxbridge, Ont.

Authorized Capital—$1,000,000. Par value, $1.00. 856,000 shares in treasury.

Property—Two patented claims, being the N.E. ¼ of the N. ½ and the S.W. ¼ of the N. ½, Lot 15, Concession 5, Township of Coleman.

Three claims, ready for patents, in James and Smyth Townships, in which the company owns a 75 per cent. interest; and a number of claims in Abitibi and Night Hawk Lake Districts, ready for patents, but requiring more assessment work.

Equipment—Twelve buildings in all. The Coleman properties are equipped with camps.

Development—A vein on one of the Coleman claims shows on the surface smaltite, niccolite, some galena, and cobalt bloom. On this claim a shaft has been sunk to the 100 foot level, at which depth 96 feet of drifting and cross-cutting has been done. Assay shows 100.5 oz. silver. A shaft down 66 feet, with 38 feet of drifting, shows a 2-inch vein of nearly solid cobalt. Several thousand feet of stripping has been done. Development has been discontinued on account of insufficient funds.

Not in producing area.

No market, October 2nd, 1909.

COBALT WILBER MINES, LIMITED

Incorporated February 24th, 1909, under the Laws of Ontario.

Solicitor—Zeba Gallagher, Toronto.

Director.—Clayton N. Wilber, Cobalt, Ontario.

Authorized Capital—$40,000.

Note.—Not working. No further information obtainable.

COBALT WONDER MINING COMPANY.

Incorporated under the Laws of Maine, U.S.A., and Licensed in Ontario, March 22nd, 1907.

Solicitors—Day, Ferguson & O'Sullivan, Toronto.

Office.—Arthur L. Fulman, 302 Broadway, New York.

U. W. O. LIBRARY

Authorized Capital $1,000,000. Par value, $1.00

Property S.E. ¼ of S. ½, Lot 1, Concession 12, Lorrain, 40 acres.

Note. Unable to learn of any development on the property this year.

The property is not in the producing area.

No market.

COCHRANE COBALT MINING COMPANY, LIMITED.

(Incorporated March 22nd, 1907, under the Laws of Ontario.)

Authorized Capital $1,000,000. Par value, $1.00. 200,000 shares in treasury.

Head Office—Manning Arcade, Toronto.

Transfer Office—Toronto General Trusts Corporation, Yonge & Colborne Sts., Toronto.

Directors—Col. Sir H. M. Pellatt, K.C.M.G., Toronto, President; E. R. Michie, Toronto, Vice President and Managing Director; R. M. Dyar, Detroit; L. H. Timmin, Haileybury, Ont.; C. H. Moore, Cobalt, Ont.; Col. J. G. Langton, Secretary.

Property 20 acres, being: The E. ½, S.W. ¼ of N. ½, Lot 1, Concession III, Coleman. Patented.

Formation—Keewatin.

Development—While no important bodies of high grade ore have yet been blocked out four very strong leads have been located and partly developed.

On vein No. 1 a shaft has been sunk to a depth of 200 feet; at the 100 foot level a cross-cut to the vein, 15 feet in length, showed 12 to 14 inches of calcite with some cobalt and small silver assays. At the 200 foot level a cross-cut has been driven to the vein, which shows an increase in width and values.

The developments on the Temiskaming property adjoining have shown that the silver values occur in areas of enrichment in the veins and that the ore shows a material increase in both width and value as a depth is reached.

The strong, well-defined leads which have been located on the Cochrane, the geological formation and the very favourable underground developments on the adjoining properties have shown that there is every possibility that the Cochrane will develop into a producing mine.

Market: Offered at 60c.

COIN SILVER MINING COMPANY, LIMITED.

(Incorporated November 21st, 1906, under the Laws of Ontario.)

Head Office—Care of Clark, Bartlett & Bartlett, Windsor, Ont.

Directors on December 31st, 1908, were: David L. Murchey, 164 Ferry Ave., Detroit, Michigan, President; E. H. Sellers, 49 Englewood Ave., Detroit, Michigan, Secretary-Treasurer; Frank W. Droelle, 411 St. Aubin, Detroit, Michigan; James Arthur, 96 Boston Boul., Detroit, Michigan; W. Bann, 256 First St., Detroit, Michigan; Geo. W. Rice, 181 Montcalm E., Detroit, Michigan.

Authorized Capital $300,000. Par value, $1.00.

Property—S.E. ¼ of N. ½, Lot 8, Concession 2, Bucke; 160 acres, Lot 5, Concession 1, Firstbrook.

Note.—Not in producing area. Unable to learn that any work has been done this year. No market.

COLEMAN AND BUCKE CONSOLIDATED COBALT SILVER MINING COMPANY LIMITED.

(Incorporated November 21, 1905, under the Laws of Ontario.)

Head Office. c/o John Heney & Son, 20 Sparks Street, Ottawa.

Solicitors.—Latchford & Daly, Ottawa, Ont.

Directors.—F. R. Latchford, Ottawa, Ont., President; John J. Heney, Ottawa, Ont., Secretary; Wm. F. Powell, Ottawa, Ont., Treasurer; A. A. St. Laurent; James McIsaac.

Authorized Capital.—$1,000,000. Par value, $5.00.

Note.—The above information was obtained from the Provincial Secretary's Office.

Unable to find any record of this company holding property in the Cobalt district.

COLEMAN BUCKE SILVER MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario, May 22nd, 1907.)

Head and Transfer Office—170 Sparks Street, Ottawa, Ontario.

Directors—J. N. Roy, M.D., President; A. MacLaurin, Vice President; N. B. Vallieres, Secretary Treasurer; V. V. Rogers, Dr. D. C. McLaren, Judge O'Keefe, J. Sunstrum, P. D. Gordon, G. J. Sheppard, W. J. Ponpore.

Authorized Capital—$1,000,000. Par value, $1.00. 280,000 shares in treasury.

Property—(1) The S.E. ¼ of the S. ½ of Lot 11, Concession 5, Township of Coleman, 40 acres.

(2) S. ½ of the N.E. ¼ of the S. ½ of Lot 15, Concession 3, Township of Coleman, 20 acres.

(3) W. ½ of the N.W. ¼ of the N. ½ of Lot 17, Concession 6, Township of Coleman, 20 acres.

(4) N. ½ of the S.W. ¼ of the S. ½ of Lot 18, Concession 6, Township of Coleman, 20 acres.

(5) Part of the N.W. ¼ of the N. ½ of Lot 19, Concession 5, Township of Coleman, 32 acres.

None of these properties are in or near the producing area.

No market.

COLEMAN AND QUEBEC MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

Provisional Directors—J. K. Parsley, Ottawa; D. O'Connor, Jr., Ottawa; Robt. Masson, Ottawa; James Wilson, Ottawa; Dr. A. T. Shillington, Ottawa; J. O. Carss, Ottawa.

Authorized Capital—$1,000,000. Par value, $1.00.

This company had its title changed to Gould Consolidated Mining Company, Limited (which see).

COLEMAN COBALT MINING COMPANY, LIMITED.

(Incorporated August 25th, 1905, under the Laws of Ontario.)

Officers—President, R. E. Kemmerer; Vice President, T. K. Kerr; Secretary Treasurer, H. B. Wills, Traders Bank Building, Toronto.

Authorized Capital—$250,000. Par value, $1.00. 200,000 shares issued.

Property—S.W. ¼, S. ½, Lot 3, Concession 5, Coleman, 25 acres.

Note.—This property is leased to the Michigan Cobalt Mines Company, Limited (which see).

No market.

COLEMAN CONSOLIDATED MINES, LIMITED.

Name changed May 31st, 1907, to Cobalt Confederated Mines, Limited (which see).

COLEMAN DEVELOPMENT COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office—Toronto.

Directors—J. F. Gillies, Toronto, President; John Mackay, Sault Ste. Marie, Ont., V. President; N. B. Brown, Toronto, Secretary.

Authorized Capital—$300,000. Par value, $1.00.

Property—120 acres. Sold to Pan Silver.

Development—Surface work.

Market, October 2nd, 1909, $1.00-$1.15.

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COLONIAL COBALT DEVELOPMENT COMPANY, LIMITED.

(Incorporated December 30th, 1908, under the Laws of Ontario.)

Directors—Robert A. E. Greenshields, Montreal, Que.; Albert Edward Baker, Merrick [illegible] Ont., Joseph Edward Duval, Montreal, Que.; A. H. Chave, Montreal, Que.; T. Hamelin, [illegible]treal, Que.

Authorized Capital $750,000. Par value, $1.00.

Property—In the early part of the year 1908 this company syndicated thirty-nine [illegible] in the Townships of Coleman, Bucke, Firstbrook, and Lorrain, to do development work [illegible] all claims found to be worthy of it. The result was that twenty-three of the [illegible] locations were abandoned as not appearing to justify development. The remaining sixteen locations were retained. One of these, known as H.F. 47, Coleman Extension, has already been patented. Five are in Coleman Township, nine in Lorrain, and one in Bucke. Upon the retained locations the development work required to preserve the claims was reported and recorded for the year 1908. This company has purchased all the retained [illegible] from the syndicate for a fraction over fifty per cent. of the capital stock. The remaining stock is, therefore, in the treasury for the purpose of providing working capital for the compa[illegible]

Note—Dev[illegible] going on

No market

COLONIAL MINING COMPANY, LIMITED.

Incorporated October 19th, 1906, under the Laws of Ontario.

Head Office—Cobalt, Ontario.

Transfer Office—Briggs, Baldwin & Pierce, 27 Pine Street, New York.

Directors—Arthur J. Baldwin, President; John K. Lathrop, Secretary; Philip S. Hill, Treasurer; Edward T. Magoffin.

Authorized Capital $100,000. Par value, $1.00. Full amount issued for consideration.

Note.—No stock sold. 99,995 shares held by the Colonial Silver Mines, a corporation organized under the Laws of the State of Maine (which see).

COLONIAL SILVER MINES.

Head Office—27 Pine Street, New York, U.S.A.

Directors—Arthur J. Baldwin, President; Philip S. Hill, Vice President; John K. Lathrop, Secretary; Joseph K. Lathrop, Treasurer; E. G. Germer, Ed. T. Magoffin.

Authorized Capital $6,000,000 (1,200,000 shares). Par value, $5. Shares issued, 200,000. Shares in treasury, 1,000,000.

Property—80 acres; being the S.W. ¼ of the S. ½ of Lot 3, Concession VI, Township of Coleman.

The N.E. ¼ of the S. ½ of Lot 3, Concession VI, Township of Coleman.

Equipment—Three 100 h.p. boilers, one 80 h.p. boiler, 17 drills, offices and houses, concentrating mill.

Formation—Keewatin and diabase; the Keewatin overlying the diabase over about 40 per cent. of the area.

Veins and Development—A number of very promising veins have been found on this property and a considerable amount of development work done without blocking out any large ore bodies.

In the north-east corner of the property an adit has been driven 165 feet into the hill with cross-cuts 150 feet west and 220 feet south-east. In the west cross-cut, from the adit level, a raise has been made to No. 1 vein. No. 1 shaft has been sunk to a depth of 75 feet with drifts 90 feet east and 60 feet west. East of No. 1 shaft an adit has been driven south into the hill for 225 feet.

On the southern part of the lot two adits have been driven into the hill a distance of 210 feet.

While very little high-grade ore has been taken out of these workings a large tonnage of concentrating ore has been produced.

A concentrating mill has been built and is now in operation.

COLUMBIA COBALT DEVELOPMENT COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

We are informed by the company's solicitor, September 18th, 1909: "This company, I believe, is moribund."

THE COLUMBUS COBALT SILVER COMPANY, LIMITED.

(Incorporated April 25th, 1908, under the Laws of Ontario.)

Solicitors—Clark, McPherson, Campbell & Law, Toronto.

Head Office—Buffalo, N.Y.

Directors—Hon. Richard Harcourt, K.C., LL.D., M.P.P., President; John Flett, Toronto, Ont., Vice-President; Alfred Laurie, 43 Victoria St., Toronto, Secretary; James B. Tudhope, M.P.P., Orillia, Ont.; Daniel Simpson, M.E., Cobalt, Ont.; Joseph Columbus, Cobalt, Ont.

Authorized Capital—$450,000. Par value, $1.00.

Property.—N.W. ¼ of S. ½, Lot 2, Concession 3, Coleman, 40 acres, patented.

Equipment—Complete plant, including 3 drill air compressor.

Development—Shaft sunk to the depth of 160 feet on a very strong vein of calcite, quartz and cobalt. At the first level 200 feet of drifting has been done. The vein so far has not shown any important silver values.

Nominal market—Nov. 1909, 12c. 14c.

COMMONWEALTH MINES OF COBALT, LIMITED.

(Incorporated January 28th, 1907, under the Laws of Ontario.)

Head Office—J. W. Redfern, 100 Board of Trade Building, Toronto.

Solicitors—Snelling & Segsworth, Toronto.

Directors—Hon. Hugh John Macdonald, President; J. W. Redfern, Toronto, Secretary; A. J. McPherson, Stratford, Ont., Treasurer; John F. Gray, Toronto, W. I. Ferguson, Stratford, Ont.; A. F. MacLaren, M.P., Stratford, Ont.; Hon. D. Derbyshire, Stratford, Ont.; Hon. Judge O'Conner, Sault Ste. Marie, Ont.; H. C. Macrae, Weston, Ont.

Authorized Capital.—$5,000,000. Par value, $1.00.

Note. We are informed, November 6th, 1909, that this company has no properties and is not doing business at present.

CONFEDERATION MINES, LIMITED.

(Incorporated March 8, 1909, under the Laws of Ontario.)

Authorized Capital—$250,000. Par value, $1.00.

Note. This company holds no properties and is not operating.

CONSOLIDATED COBALT MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

The name of this company was changed [illegible] 1907, to Premier Cobalt Mines Limited.

CONSOLIDATED SILVER COBALT MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

(N.B. Name changed March 15th, 1909, from Mount [illegible] Consolidated Mines, Ltd.)

Head Office—1001 Traders Bank Building, Toronto.

Directors—F. B. Chapin, Toronto, President; W. D. Lummis, Toronto, Vice-President; D. W. Green, Toronto, Secretary-Treasurer; Arthur Ferland, Haileybury, Ont.; James [illegible]

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Curry, Toronto, Ont.; W. C. Chambers, Harriston, Ont.; Wm. B. Russell, Toronto, Ont.; R T. Shillington, Haileybury, Ont.; A. E. Dyment, Toronto; J. K. Paww, New York

Authorized Capital—$3,000,000. Par value, $1.00. Issued 1,694,085.

994,100 shares were exchanged for 694,000 shares of Green Meehan

700,000 were exchanged for Red Rock Mine

Development—A large force of men has been employed this summer stripping and trenching the two properties

Four veins bearing cobalt and silver have been located

Development work will be actively undertaken as soon as electric power can be obtained to run the new plant which is being installed. This plant, when completed, will be one of the most up to date in the Cobalt district

CONTINENTAL COBALT MINES COMPANY, LIMITED.

(Incorporated April 9th, 1907, under the Laws of the State of Utah.)

(Licensed June 12th, 1907, in Ontario.)

Attorney—A. G. Slaght, Haileybury, Ont

Solicitors—Macdonald & MacIntosh, Toronto.

Directors.—Herman E. Dick, 206 La Salle St., Chicago, President; Sig. L. Strauss, 159 La Salle St., Chicago, Secretary Treasurer; Geo. A. Snow, 502 Corn Exchange Bldg., Chicago; David Mayer, Corn Exchange Bldg., Chicago; Joseph Wright, 100 Washington St., Chicago; Thomas H. Rea, 1421 Eastwood Ave., Chicago; W. H. Isom, 217 La Salle St., Chicago; Frank B. Stephens, Salt Lake City, Utah.

Authorized Capital.—$1,000,000. Par value, $1.00

Note.—This company owns property near Haileybury which was operating February, 1909. Unable to obtain any further information

CORONA COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated November 10th, 1908, under the Laws of Ontario.)

Head Office—141 St. Paul St., Montreal, Que

Directors.—B. Kontosk, 141 St. Paul St., Montreal, President; F. A. Kilbourne, Montreal, Que., Vice President; Gordon H. Benson, Montreal, Que., Sec. Treas.; J. D. Cameron, Montreal, Que.; Alex. Woods, Montreal, Que.; Horace Davis, Montreal, Que.; Davis Patterson, Montreal, Que.

Authorized Capital.—$1,250,000. Par value $1.00. 350,000 shares in treasury.

Property.—Two claims of 20 acres each, being: (1) S. ½ N.W. ¼ of N. ½, Lot 3, Concession 4, Coleman; (2) W. ½ of S.W. ¼ of N. ½, Lot 13, Concession 4, Coleman; 40 acres in all

Veins and Development—One calcite vein trenched 1,000 feet on No. 1 property with small silver assays and some native copper

Several veins on No. 2 property

The secretary reports that a shaft is being sunk by contract to a depth of 120 feet. This property is several miles from the proven productive area

CRAWFORD MINING COMPANY, LIMITED.

Incorporated October 1st, 1907, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Authorized Capital—$600,000

Defunct. No information obtainable

THE CROESUS MINING COMPANY, LIMITED.

(Incorporated January 19, 1906, under the Laws of Ontario.)

Head Office—Ottawa, Ont.

Authorized Capital—$500,000.

Note.—We are informed by the solicitor of the company that it has no property and is not doing business.

CROSS LAKE SILVER MINING COMPANY, LIMITED.

(Incorporated June 28th, 1907, under the Laws of Ontario.)

Head Office—Cobalt, Ontario.

Directors—Carl Reinhardt, Cobalt, Ont., President; R. W. Reinhardt, Montreal, Que., Vice-President; R. F. Kellock, Cobalt, Ont., Secretary; A. E. Morris, Perth, Ont., Treasurer; K. G. Robertson, Haileybury, Ont.

Authorized Capital—$1,000,000. Par value, $1.00. 210,000 shares in treasury.

Property—(1) S.W. part of S.W. ¼ of S. ½, Lot 1, Concession 5, Coleman, 13 acres; (2) S. ½ of S.E. ¼ of S. ½, Lot 1, Concession 5, Coleman, 15 acres; (3) under Cross Lake in Lots 1 and 2, Concession 5, Coleman, 90 acres. Total, 118 acres.

Title.—Crown Patent.

Equipment—Buildings, sleeping and boarding house accommodation for 30 men. Office, blacksmith shop, etc.

Note.—No machinery. Sinking by hand until power is received from power companies.

THE CROWN MINING COMPANY, LIMITED.

(Incorporated January 26th, 1906, under the Laws of Ontario.)

Head and Transfer Office—Leamington, Ontario.

Directors—C. L. Coultis, President; Edward Winter, Vice-President; F. S. Moss, Secretary-Treasurer; Fred. De Laurier, J. D. Ainslie, G. N. Bernard, E. Wigle, G. A. Brown, J. H. Conover.

Authorized Capital—$1,000,000. Par value, $1.00. 232,980 shares in treasury.

Property—The N.W. ¼ of the N. ½ of Lot 3, Concession 12, Township of Lorrain.

Title—Patented.

Development—One shaft has been sunk to a depth of 53 feet and another 27 feet, and others from 5 to 15 feet, all on calcite veins. Twenty acres are under lease operating.

Not in producing area.

No market. October 2nd, 1909.

CROWN PRINCE SILVER COMPANY.

(Incorporated under the Laws of the State of Maine.)

Head Office—Care of Mason Raborg, 74 Broadway, New York, N.Y.

Transfer Agent—The Commercial Trust Company of New York.

Directors—DeWitt Clinton Flanagan, New York, President; Elijah Woodward, New York, Vice-President; H. Mason Raborg, New York, Treasurer; Sydney Smith, Cobalt, Ont., General Manager; Edward H. Corlette, New York, Secretary; John Appleton Allen.

Authorized Capital—$1,500,000. Par value, $1.00.

This company owns the stock of the Duchess Silver Mining Company, Limited (which see).

[illegible] not operating, but it is expected that operations will be [illegible] and the development work on the property vigorously pushed.

No market. October 2nd, 1909.

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CULLEN COBALT MINES, LIMITED.

(Incorporated February 28th, 1907, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Transfer Office—2021 Broadway, New York.

Directors—Edward Cullen, President; Frederick Halpern, Vice-President; Edward W. Warfield, Secretary-Treasurer.

Authorized Capital—$1,000,000. Par value, $1.00. 400,000 shares in treasury.

Property—N.E. ¼, S. ½, Lot 1, Concession 12, Lorrain, patented; N.E. ¼, N. ½, Lot 2, Concession 7, Lorrain, working permit.

Equipment.—The Secretary reports: "A sinking plant will be established on Claim No. 1 during the coming winter."

Development.—"Eighteen veins have been located on No. 1 and nine veins on No. 2. A shaft 7 x 9 has been sunk on Vein No. 4, on No. 1 claim, to a distance of 45 feet; it will be continued to the 100 foot level before drifting is done. The vein is now 42 inches wide, of the usual filling of pink calcite, etc., and contains values in silver and cobalt."

Note.—Not in producing area.

CULVER SILVER COBALT MINES, LIMITED.

(Incorporated February 18th, 1907, under the Laws of Ontario.)

Head Office—Home Bank Building, Toronto.

Directors—Frank L. Culver, Toronto, Ont., President; A. J. Young, North Bay, Ont., Vice-President; H. E. Tremain, Toronto, Secretary; J. H. Stephens, Toronto, Treasurer; Geo. A. Woodward, Petrolia, Ont.; Geo. A. Knowlton, Fort William, Ont.; Geo. W. Parker, Marine City, Mich.

Authorized Capital—$1,000,000. Par value, $1.00.

Property—The S. part of the S.E. ¼ of the S. ½ of Lot 1, Concession 6, Township of Coleman, 20 acres. The N.E. ¼ of the S. ½ of Lot 6, Concession 1, Township of Buck, 40 acres.

Not in producing area.

Note.—No stock has been issued.

Inactive.

THE CUYAHOGA SILVER COBALT MINES, LIMITED.

(Incorporated under the Laws of Ontario, November 24th, 1906.)

Secretary—Frederick Watt, 16 King Street West, Toronto.

Close corporation, no stock issued.

DAVIS SILVER COBALT MINES, LIMITED.

(Incorporated December 5, 1906, under the Laws of Ontario.)

(No personal Liability.)

Capital Stock—$2,000,000. Par value, $1.00. Stock issued, full paid, 1,800,000 shares, stock in treasury, 200,000 shares. Total, 2,000,000 shares.

Directors.—George W. Kenyon, 31 Nassau Street, New York, President; George W. Hoyt, 45 William St., New York, Vice-President; Owen W. Davis, 25 Broad St., New York, Secretary-Treasurer and Manager; George W. Kenyon, George W. Hoyt, Owen W. Davis, M. M. Armstrong, Charles A. Tinker.

Property.—The company owns, under patents from Ontario Province: S. ½ of N.W. ¼ of N. ½, Lot 1, Concession 4, Coleman, 20 acres; S. ½ of N.E. ¼ of S. ½, Lot 2, Concession 4, Coleman, 20 acres; N. ½ of S.E. ¼ of N. ½, Lot 1, Concession 4, Coleman, 20 acres; S. ½ of N.E. ¼ of N. ½, Lot 2, Concession 12, Lorrain, 20 acres; N.E. ¼ of S. ½, Lot 1, Concession 4, Lorrain, 40 acres; S.E. ¼ of N. ½, Lot 1, Concession 4, Lorrain, 40 acres. Fraction of N.E. ¼ of N. ½, Lot 4, Concession 4, Coleman, 10 acres. Total, 170 acres.

The company operates as a holding and leasing company, and has now in force three leases upon 70 acres, as follows: Lease No. 1, S. ½ of N.W. ¼ of S. ½, Lot 1, Concession 4 Coleman; S. ½ of N.E. ¼ of S. ½, Lot 2, Concession 4, Coleman, leased for five years to Shamrock Mining Co.

Lease No. 2—N. ½ of S.E. ¼ of N. ½, Lot 1, Concession 4, Coleman, leased for five years to Jacob A. Jacobs

Lease No. 3—Fraction of N.E. ¼ of N. ½, Lot 4, Concession 4, Coleman, leased to M. M. Armstrong, for five years.

All leases are for a period of five years, with royalty of 25 per cent. of gross output from the mines.

100 acres are still held by the company, to be leased or operated as may be determined.

The company has no indebtedness, and holds 200,000 shares stock in treasury.

No stock has ever been offered for sale to the public by the company.

DEEP ROCK COBALT SILVER MINES, LIMITED.

(Name changed March 13th, 1907, from Cobalt Silver Crown, Limited.)

Note.—No information obtainable.

THE DELAWARE COBALT MINING AND EXPLORATION COMPANY.

(Chartered under the Laws of South Dakota.)

Fiscal Agent—G. M. Weller, 20, Porter Block, Easton, Pa.

Solicitor—David Barp, Easton, Pa.

Directors—Jonathan B. Miller, Reading, Pa., President; John H. Spence, Easton, Pa.; Fred. B. Franks, Allentown, Pa., Irwin T. Ehst, Boyertown, Pa., Vice-Presidents; Peter W. Hay, Easton, Pa., Treasurer, C. A. P. Bartlett, Easton, Pa., Secretary.

Authorized Capital—$2,000,000. Par value, $1.00. 1,000,000 shares in treasury.

Property—Six recorded claims, about 115 acres in all.

No. 773, W. ½ of S.W. ¼ of S. ½, Lot 12, Concession 5, Coleman.

No. 774, E. ½ of S.E. ¼ of S. ½, Lot 13, Concession 5, Coleman.

No. 775, E. ½ of N.E. ¼ of S. ½, Lot 13, Concession 5, Coleman.

No. 631, E. ½ of N.E. ¼ of S. ½, Lot 16, Concession 3, Coleman.

No. 138, E. ½ of N.W. ¼ of N. ½, Lot 14, Concession 5, Coleman.

No. 38[illegible], S.W. part of Lot 10, Concession 4, Coleman.

Note.—Claim No. 631 is described by the owners as ready for Patent.

None of the properties are in the recognized productive area.

THE DELAWARE COBALT MINING AND EXPLORATION COMPANY, LIMITED.

(Incorporated July 23rd, 1909, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Authorized Capital—$40,000. Par value, $1.00.

Note.—This is the operating and charter holding company in Ontario for the Delaware Cobalt Mining and Exploration Company of South Dakota.

THE DETROIT AND COBALT DEVELOPMENT COMPANY, LIMITED.

(Incorporated April 17th, 1906, under the Laws of Ontario.)

Authorized Capital.—$25,000.00.

Note.—No further information obtainable at the Provincial Secretary's office.

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DEVIL'S ROCK SILVER MINING COMPANY, LIMITED

(Incorporated under the Laws of Ontario.)

The title of this company was changed April 3rd, 1907, to The Lake Temiskaming Silver Mining Company, Limited.

THE DOMINION COBALT MINING AND DEVELOPMENT COMPANY, LIMITED.

(Incorporated May 3rd, 1906, under the Laws of Ontario.)

Head Office—20 King Street East, Toronto.
Directors—A. W. Holmested, President; E. M. Carruthers, Secretary.
Authorized Capital—$150,000. Par value, $1.00. 150,000 shares in treasury.
Property—S.W. ¼ of the S. ½ of Lot 4, Concession 2, Township of Rocke.

Note.—The President of the company reports September 19th, 1909: "The company is entitled to a patent covering mining and surface rights."

N.B.—This property adjoins the North Cobalt on its S.E. corner in promising territory.

No market, October 2nd, 1909.

DOMINION COBALT PROSPECTING AND DEVELOPMENT COMPANY, LIMITED.

(Incorporated May 3rd, 1906, under the Laws of Ontario.)

Head Office—Toronto, Ontario.
Authorized Capital—$500,000. Par value, $1.00.

Note.—The name of this company was changed April 23rd, 1907, to Monitor Cobalt Prospecting and Development Company, Limited.

DOMINION DEVELOPMENT AND MINING COMPANY, LIMITED

(Incorporated under the Laws of Ontario.)

This is a private corporation, not asking any public subscriptions to its shares, and consequently has not issued any prospectus.

DOMINION EXPLORATION AND DEVELOPMENT COMPANY, LIMITED.

(Incorporated May 10th, 1907, under the Laws of Ontario.)

Head Office—Toronto, Ont.
Authorized Capital—$1,000,000.
Defunct.

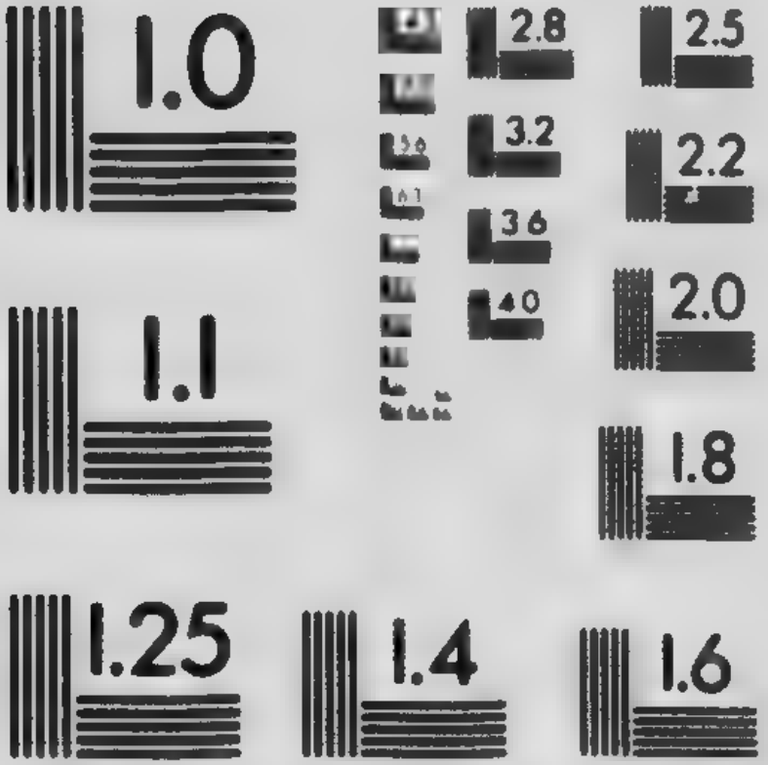
DREADNOUGHT MINES, LIMITED.

Head Office—Ottawa, Ont.
Transfer Office—Montreal, Que.
Directors—Thomas Gibbay, President; C. W. Davis, Vice-President; John Thompson, Secretary; Jas. Ogilvie, Jr., Treasurer; R. H. Pope, W. L. Maltby.
Authorized Capital—$1,000,000. Par value, $1.00. 500,000 shares in treasury.
Property—Forty acres, being: N.W. ¼ of N. ½, Lot 3, Concession III, Colen.
Equipment—Usual camp buildings.
Development—Shaft 60 feet.

Note.—Early in May, 1909, this company took over the holdings of the Rothschild Mining Company, whose capitalization was $500,000, just half that of the Dreadnought. R. H. Pope, capitalist of Montreal, bought the extra 500,000 shares at 10 cents a share, giving the treasury a sum of money to commence work on the property at once. Operations are now going on under the direction of Mr. E. C. Kingswell.

MICROCOPY RESOLUTION TEST CHART

(ANSI and ISO TEST CHART No 2)



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DRUMMOND MINES, LIMITED.

(Incorporated under the Laws of Canada.)

Secretary—J. Gouldthorpe, 70 Canada Life Building, Montreal.

A close corporation owning:—

Property—S.E. ¼ of S. ½, Lot 2, Concession 5, Coleman, 40 acres; N.E. ¼ of N. ½, Lot 2, Concession 4, Coleman, 40 acres—in all 80 acres.

Development—This property has been developed by two main shafts about 300 feet apart connected at the first level. The main shaft is down 135 feet with 400 feet of drifting north and south on the vein at the first level, and 500 feet at the second level. Considerable cross-cutting has been done on both levels.

Three additional shafts have been sunk and a large amount of trenching and diamond drilling done. The work this year failed to develop any new ore bodies of importance.

Production. 1904, 0.50 tons; 1905, 32.15 tons; 1906, 274.70 tons; 1907, 104.3 tons; 1908, 1,161.38 tons; 1909, 670.51 tons.—Total, 2,243.37 tons.

Equipment—Complete compressor plant, bunk house, etc.

THE DUCHESS SILVER MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario, January 16th, 1907.)

Head Office—Toronto.

Authorized Capital—$75,000. Par value, $1.00.

Property—The W. ½ of the N.W. ¼ of the S. ½ of Lot 1, Concession 3, Coleman.

Equipment—The property is equipped with buildings sufficient to accommodate 50 men. A considerable amount of development work has been done and fair values have been shown.

The stock of this company is held by the Crown Prince Silver Company (which see).

THE DUFFERIN COBALT SILVER MINING COMPANY, LIMITED.

Head and Transfer Office—Central Chambers, 48 Elgin Street, Ottawa, Ont.

Directors—Newton J. Ker, C.E., Ottawa, Ont., President; Dr. C. W. F. Gorrell, Ottawa, Ont., Vice-President; E. A. Larmonth, Ottawa, Ont., Secretary-Treasurer; Dr. A. T. Shillington, Ottawa, Ont.; Major R. A. Helmer, Ottawa, Ont.; R. Mulligan, Ottawa, Ont.; C. A. Parker, Ottawa, Ont.; R. T. Shillington, Ottawa, Ont.

Authorized Capital—$1,000,000. Par value, $1.00. 343,193 shares in the treasury.

Property—Three patented claims of 20 acres each, being:

E. ½, N.W. ¼, S. ½, Lot 16, Concession V, Coleman.

W. ½, N.E. ¼, S. ½, Lot 16, Concession V, Coleman.

W. ½, S.E. ¼, N. ½, Lot 16, Concession V, Coleman.

Note.—We are informed August 25th, 1909: "The company is preparing to install a compressor plant, and there are already good buildings on the property. Several calcite veins have been uncovered all of which give fair assays of silver."

Not in producing area. No market.

DULUTH COBALT MINING COMPANY, LIMITED.

(Incorporated December 28th, 1906, under the Laws of Ontario.)

Head Office—Haileybury, Ontario.

Authorized Capital.—$500,000. Par value, $1.00.

Note.—This company has a charter but has never done any work or owned any property.

U. W. O. LIBRARY

THE DYMOND DEVELOPMENT COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

The title of this company was changed December 5th, 1906, to The Capital Cobalt Mining Company, Limited.

EASTBOURNE COBALT MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office—15 Toronto Street, Toronto, Ont.

Transfer Agent—Trusts and Guarantee Co., Ltd., Toronto.

Directors—David Carlyle, Toronto, President; F. B. Saunders, Cleveland, Ohio, Vice-President; Alex. E. Wheeler, Toronto, Ont., Secretary Treasurer.

Authorized Capital—$1,000,000. Par value, $1.00. (400,000 shares are reserved for development purposes.)

Property—Consists of 20 acres known as the N. ½ of the N.E. ¼ of the S. ½ of Lot No. 2, Concession 4, of the Township of Coleman.

This property lies south of and adjoining the Argentum Mine, and north of the No. 1 property of the Davis Silver Cobalt.

The company has title by Crown Patent.

Equipment—The company has a plant installed with drills, boiler house, bunk house, etc.

Veins—Three strong calcite veins have been located. On the middle one a shaft has been sunk near the centre of the property. This opened up very encouragingly and broadened out to ten inches in width until at 60 feet the vein dipped out of the shaft. A depth of 105 feet has been reached and the management is about to cut stations for a cross-cut to pick up the three veins known to exist.

No market, October 2nd, 1909.

EASTERN AND COBALT MINING COMPANY, LIMITED.

(Incorporated May 8th, 1907, under the Laws of Ontario.)

No information obtainable.

EDWARD COBALT MINES, LIMITED.

(Incorporated November 16th, 1906, under the Laws of Ontario.)

Secretary.—H. B. Wills, Traders Bank Building, Toronto.

Authorized Capital—$100,000. Par value, $1.00.

Note.—This company was organized as a holding company for the King Cobalt Lot of the King Edward Mines Company. All the stock of the company is held by the King Edward.

ELGIN COBALT MINING AND DEVELOPMENT COMPANY, LTD.

(Incorporated June 6th, 1907, under the Laws of Ontario.)

Head Office—St. Thomas, Ontario.

Directors—W. R. Jackson, President; F. O. Lawrence, Vice-President; W. H. King, Secretary-Treasurer; J. T. Utter, J. P. Bailey.

Solicitor—W. K. Cameron, St. Thomas.

Bankers—The Dominion Bank of Canada.

Property—The N.E. ¼ of the N. ½ of Lot 3, Concession 12, Township of Lorrain; E. ½ of the N.E. ¼ of S. ½ of Lot 15, Concession 5, Township of Coleman.

Development—Some prospect shafts and trenching. The properties are not in or near the producing area.

Equipment—None.

No market, October 2nd, 1909.

EMERALD DEVELOPMENT COMPANY, LIMITED.

(Incorporated Feb. 18th, 1907, under the Laws of Ontario.)

Head Office—Sudbury, Ont.

Authorized Capital—$150,000.

Note.—The company's solicitor reports, September 27th, 1909: "No stock has ever been issued and nothing further has been done, than an election of directors for the purpose of organization.

EMPLAR COBALT MINES, LIMITED.

(Incorporated March 27, 1907, under the Laws of Ontario.)

Head Office—Cobalt, Ont.

Transfer Office—Boston, Mass.

Directors—J. V. Hemstreet, President; W. Cuthbert, Vice President; L. P. Welson, Secretary; G. H. Jones, Treasurer; W. Wainwright, James Hylands, S. E. Johns.

Authorized Capital—$3,000,000. Par value, $1.00. 600,000 shares in treasury.

Property—Nineteen claims. Nine claims in Lorrain Township, containing 360 acres and ten in Coleman Township containing 200 acres.

1 claim, Lot 2, Concession 10, Lorrain Township.

4 claims, Lots 1 and 2, Concession 8, Lorrain Township.

4 claims, Lots 1 and 3, Concession 7, Lorrain Township.

6 claims, Lot 12, Concession 4, Coleman Township.

1 claim, Lot 11, Concession 6, Coleman Township.

1 claim, Lot 11, Concession 5, Coleman Township.

2 claims, Lot 18, Concession 2, Coleman Township.

Title—15 patented. The 9 claims in Lorrain and the 6 claims in Lot 12, Concession 4, Coleman.

Equipment—30 h.p. boiler; 8 x 5 hoist; 3 drill compressor; camp for 40 men; buildings.

Development—Shaft 135 feet; drifts and cross cuts on property in Lorrain, and some shafts and prospecting on other properties. Working.

No market.

EMPRESS COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated Nov. 9, 1906, under the Laws of Ontario.)

Head Office—8 Colborne Street, Toronto.

Directors—A. Cyril Boyce, Toronto, President; Dr. T. Millman, Toronto, Vice-President; Wm. H. Bunting, St. Catharines; W. B. Hill, Toronto; C. B. Murray, Toronto, Secretary-Treasurer.

Authorized Capital—$500,000. Par value, $1.00. 489,611 shares issued.

Property—40 acres; being part of Lot 9, Concession 5, Township of Coleman.

Development—The secretary of this company reports, Sept. 8th, 1909: "No work has been done on this claim during 1909."

Note.—Merged into Cobalt Majestic Silver Mines, Limited.

No market, October 2nd, 1909.

ENGLAND'S PREMIER COBALT MINING COMPANY, LIMITED.

(Incorporated March 8th, 1907, under the Laws of Ontario.)

Head Office—Toronto.

Authorized Capital—$1,000,000 (£20,000). Par value, $5.00 (£1).

Note.—This company issued a prospectus in 1907 and proceeded to sell the stock in England. The Canadian directors resigned and all active operations of the company ceased at the end of 1907.

U. W. O. LIBRARY

The property of the company consists of forty acres in the Portage Bay District, being the S.E. ¼ of the S. ½ of Lot 15, Concession 5, Township of Coleman.

This is one of the most unfortunate examples of wildcatting Cobalts in England and did material harm to the market for legitimate stocks in that country.

ERIE COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated May 28th, 1906, under the Laws of Ontario.)

Head Office—5 King Street West, Toronto.

Transfer Office—5 King Street West, Toronto.

Directors—William Muir, Titusville, Pa., President; B. E. Strong, Gerry, N.Y.; Edward Appleyard, Jamestown, N.Y.; J. H. Jewell, Toronto, Ont., Vice-President; Thomas Conlon, Thorold, Ont.; Jas. A. Gormaly, Toronto; Treasurer; E. Vimont, Paris, France; E. Lowenstern, Paris, France; B. M. Rice, Secretary.

Authorized Capital—$1,000,000. Par value, $1.00. 500,000 shares in treasury.

Property—40 acres, N.W. ¼ of S. ½ of Lot 1, Concession 10, Lorrain; 40 acres N.E. ¼ of N. ½ of Lot 18, Concession 6, Coleman.

Title—Patented to the company.

Equipment.—On Lorrain property, one Rand Jenckes boiler, engine and hoist, etc.

The company reports a complete new plant is now on order.

The buildings include a large bunk house capable of accommodating 80 men, office building, kitchen and dining room, store house, stable, etc."

Development—Shaf. No. 1 on the Lorrain property has been sunk to the 100 foot level, and drifting has been done from the bottom of the shaft 125 feet east and 120 feet west. Shaft No. 2 has been sunk over 70 feet, and some cross-cutting was done at the 50 foot level. Shaft No. 3 has been sunk to a depth of about 75 feet.

A tunnel has also been driven into the cliff some thirty feet.

On Lot No. 2 we have sunk a shaft 33 feet deep, and another 10 feet. Shaft No. 3 on this property is also down 10 feet, and No. 4 about 12 feet.

Formation—Diabase. No important ore bodies have been located.

No market, October 2nd, 1909.

THE ESPERANZA COBALT MINES COMPANY, LIMITED.

(Incorporated November 26th, 1906, under the Laws of Ontario.)

Head Office—Windsor, Ontario.

Authorized Capital—$1,000,000.

Note.—No further information obtainable from Provincial Secretary's office.

E. T. MINING COMPANY, LIMITED.

(Incorporated April 21, 1909, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Transfer Office—Sherbrooke, Que.

Directors—S. W. Jenckes, President; G. H. St. Pierre, Vice-President; C. A. French, Secretary-Treasurer; W. W. Bailey, J. A. Begin, W. F. Vilas, C. A. Nutting, H. W. Mulvena, P. S. G. Mackenzie.

Authorized Capital—$1,000,000. Par value, $1.00. 300,000 shares in treasury.

Property—The N. ½ of the N.W. ¼ of the N. ½ of Lot 1, Concession 4, Township of Coleman, containing about 20 acres.

Title—Patent from the Crown.

Equipment—Boiler, steam drill, hoist and pump.

Development—Three veins have been uncovered; the company is now sinking on one of these and has attained a depth of 80 feet, and is sinking at the rate of about one foot per day.

Note.—This company has taken over the holdings of the Old Chap Mining Co. The location is favourable.

No market, October 2nd, 1909.

EUREKA SILVER MINING COMPANY, LIMITED.

Head Office—New Liskeard, Ontario.

Directors—Dr. Byron Field, New Liskeard, Ont., President; E. M. Goodman, New Liskeard, Ont., Secretary-Treasurer; J. L. Br wn, New Liskeard, Ont.; H. Hartman, New Liskeard, Ont.; R. B. Herron, New Liskeard, Ont.

Authorized Capital. $100,000. Par value, $1.00 50,620 shares subscribed for and allotted. 1,000 shares in consideration.

Note.—From report of December 31st, 1907, in Provincial Secretary's office: "Going out of business."

THE EXPLORATION COMPANY OF CANADA, LIMITED.

(Incorporated under the Laws of Ontario, Nov. 7, 1906.)

Head Office and Transfer Office—Room 503, 64 Wellington St. West, Toronto.

Directors—A. O. Beardmore, Toronto, President; A. Kelly Evans, C.E., Toronto, Secretary-Treasurer; W. R. Johnston, Jr., Toronto, Vice-President; A. Claude Macdonell, M.P., Toronto; H. C. Osborne, Toronto; R. Boyd Magee, C.E., Consulting Engineer.

Authorized Capital—$100,000. Par value, $1.00. 18,883 shares in treasury.

Property—The W. ½ of the S.W. ¼ of the N. ½ of Lot 3, Concession 6, Township of Coleman, comprising between 19 and 20 acres.

Title—Patent from the Crown.

Development during 1909—Trenching.

No market, October 2nd, 1909.

FARAH MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office—New Liskeard, Ont.

Directors—K. Farah, New Liskeard, Ont., President; R. T. Shillington, M.P.P., Haileybury, Vice-President; H. O. Hartman, New Liskeard, Ont., Secretary-Treasurer; A. E. Bryant, Montreal, Que.; N. B. Hani, New Liskeard, Ont.; Alex. Smith, Cobalt, Manager.

Authorized Capital—$2,000,000. Par value, $1.00. 500,000 shares in treasury.

Property—40 acre claim, 2 miles south-east of Cobalt, adjoining Nova Scotia on the south-east; north of Imperial Crown and Kerr Lake Majestic.

Title—Patent.

Equipment—None.

Development.—Silver on surface on two veins. Shaft No. 1 down 150 feet, cross-cut 83 feet. Shaft No. 3 down 150 feet, cross-cut 77 feet at 100 foot level, 50 feet at 150 foot level. Shaft on Victoria vein down 30 feet; 22 feet of drifting. Total 377 feet sinking; 185 feet cutting and drifting. 34 men working.

Market, October 2nd, 1909, offered at 35c.

FEDERAL MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

The title of this company was changed April 13th, 1907, to La Rose Mine, Limited. (which see).

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THE FLORENCE MINING COMPANY, LIMITED.

(Incorporated March 21st, 1906, under the Laws of Ontario.)

Solicitor—J. M. Clark, K.C., 16 King St. West, Toronto.

Directors—G. W. Cooley, Toronto, President; S. Sinclair, Toronto; Joseph Hobson, Toronto; H. W. Maw, Toronto; H. M. Asling, Toronto; J. P. Brown, Toronto.

Authorized Capital—$100,000. Par value, $1.00.

Property—The company claims to own 20 acres in the bed of Cobalt Lake adjoining the McKinley-Darragh.

Note.—The Ontario Government passed an ex poste facto statute and then sold the above mentioned property and the balance of the bed of the lake by tender to the Cobalt Lake Mining Company.

The case was tried on the 8th, 9th and 10 of June 1908. Judgment was delivered on the 15th day of June, 1908, by Mr. Justice Riddell, who made findings of fact in favour of the Florence Mining Company, but held that the Acts of 1906 and 1907 were "intended to bar the claim of the plaintiffs."

An appeal to the Court of Appeal for Ontario from Mr. Justice Riddell's judgment was dismissed and an order has been made allowing the Florence Company to appeal to the Privy Council.

FLOYD SILVER MINES, LIMITED.

(Incorporated March 13th, 1906, under the Laws of Ontario.)

Head Office. 1520 Traders Bank Building, Toronto.

Executive Office—151 St. James St., Montreal, Que.

Directors.—O. Le Tourneau, Montreal, Que., President; J. W. Michaud, 205 St. James St., Montreal, Que., Vice-President; J. A. Ogilvy, J. R. Laurendeau, J. L. Evans, A. N. Macdonald, W. R. Allen, Fowler Ross.

Authorized Capital—$2,000,000. Par value, $1.00.

Property—Four patented claims comprising 160 acres in the Township of Bucke, two of them being N.W. ¼ and N.E. ¼ of S. ½, Lot 1, Concession. 2

40 acres in Larder Lake.

3 staked Mining Claims in Temagami Reserve, being T.R. 563, 564 and 559.

Note.—The Bucke and Temagami Reserve properties were sold to the Temagami Reserve Mines, Limited, August, 1909.

GIANT SILVER NUGGET MINES, LIMITED.

(Incorporated June 13, 1906, under the Laws of Ontario.)

Head Office.— Haileybury, Ontario, and 803 New First National Bank Building, Columbus, Ohio.

Solicitors.—Kerr, Bull, Shaw & Montgomery, Toronto.

Directors.—W. F. Upson, President; J. W. Mooney, 1st Vice-President; W. A. France, 2nd Vice-President; C. C. Huston, Secretary; John R. Gohey, Treasurer; J. H. Mohler; W. O. Taylor; Alex. McKnight.

Authorized Capital.—$1,000,000. Par value, $1.00.

Property. Part of N.W. ¼ of S. ½, Lot 3, Concession 4, Coleman, 21 6/10 acres: An island in Giroux Lake, 18 4/10 acres; under water, 4/10 acres.

Note.—The above information was obtained from the annual report of the company of October 5th, 1908, filed in the Provincial Secretary's Office.

No further information obtainable.

GIFFORD COBALT MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office—712 Traders Bank Building, Toronto.

Directors—Charles Gifford, Toronto, President; Joseph C. Houston, Cobalt, Vice President; J. C. Ritchie, Toronto, Secretary Treasurer; Andrew Glendinning, Cobalt.

Authorized Capital.—$150,000. 600,000 shares. Par value, 25 cents. Shares in treasury 400,000.

Property—The N. ½ of N.E. ¼ of the N. ½, Lot 1, Concession 3; containi g in all 20 acres.

Formation.—Keewatin and granite.

Development—A contract for a shaft 200 feet in depth was l t and is now (Aug. 12, 1909.) practically completed, over 190 feet being finished to date. As soon as completed the shaft is to be turned over to the company and drifting commenced.

Market, October 2nd, 1909, 25c. 26c.

GIFFORD EXTENSION MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office—712 Traders Bank Building, Toronto.

Directors—Charles Gifford, Toronto, President; Joseph C. Houston, Cobalt, Ont., Vice President; J. C. Ritchie, Toronto, Secretary-Treasurer; C. L. Bessell, Galesburg, Ill.; Frank Burr Mosure, Cobalt, Ont.

Authorized Capital—$350,000. 1,400,000 shares. Par value, 25 cents.

Property—50 acres: No. 1—40 acres, being the S.W. ¼ of the S. ½ of Lot 1, Concession 3, Township of Coleman. No. 2—10 acres, being the N. ½ of the E. ½ of the S.W. ¼ of Lot 2, Concession 3, Township of Coleman.

Formation—The formation on this property is precisely similar to that obtaining on Hylands, Ophir, and John Black, also the Duchess and Progress claims. And the veins will probably be found identical with those on the properties above named.

Veins and Development—Four shafts have been sunk on this property. Nos. 2, 3, and 4 are prospect shafts, from 18 to 25 feet deep.

No. 1, the main working shaft, is 185 feet deep and will be continued to the 200 foot level. A drift from the 85 foot level, 102 feet to the west, cut a 29 inch vein of cobalt and calcite with small silver assays.

At the 200 foot level cross-cuts will be driven east and west to prospect 20 veins which have been located on the surface. A total of 230 feet of underground work has been done and about 1,500 feet of trenching.

The drills are being run by air furnished by the Ophir Company.

Market, October 2nd, 1909, 20c-25c.

GILLIES SILVER MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office—Haileybury, Ontario.

Directors.—James Francis Gillies, Toronto, Ont., President.

Authorized Capital.—$500,000. Par value, $1.00.

Property—40-acre patented claim, being the N.E. ¼ of the N. ½, Lot 3, Concession 3, Coleman.

Note.—50,000 shares of the stock of this company were sold by New York brokers, the balance is held by Mr. James F. Gillies.

No work is being done at present.

Not in producing area.

No market.

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THE GILPIN COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated April 24th, 1906, under the Laws of Ontario.)

Directors—J. H. Wilcox, Toronto, President; A. W. Wilkinson, Barrie, Ont., Vice President; D'Arcy B. Gilpin, Toronto, Secretary Treasurer; W. Williams, R. S. Gilpin, A. A. Daniel, Toronto.

Authorized Capital—$500,000. Par value, $1.00.

Property.—The N.E. ¼ of the N. ½ of Lot 4, Concession 4, Township of Bucke. Also two adjoining claims.

Note.—The Canadian Central Mines, Limited, owns control of the stock of this company.

Not in productive area.

No market, October 2nd, 1909.

GILT EDGE SILVER MINING COMPANY, LIMITED.

(Incorporated December 22nd, 1908, under the Laws of Ontario.)

Head Office—Ottawa, Ontario.

Transfer Office.—69 William Street, Montreal, Que.

Directors—A. J. Hodgson, President; Geo. S. Plow, Vice President; J. J. Towers, Secretary-Treasurer; R. M. Ballantyne, T. H. Flett, G. E. Frosst, A. E. Honeywell, C. M. Farley.

Authorized Capital—$1,000,000. Par value, $1.00. 500,000 shares in treasury.

Property—In the Anima Nipissing District on portion of the Montreal River.

Title—Clear.

Equipment—Partial.

Development—Practically none.

GIROUX LAKE COBALT MINING & MILLING COMPANY.

Head Office—Toronto, Ontario.

Business Office—2320 Broadway, New York City.

Directors—W. J. White, New York, President; Frederick Morris, New York, Vice-President; C. P. Barker, Treasurer; T. C. Graham, Secretary; A. A. Crofts, H. S. White.

Authorized Capital—$1,000,000. Par value, $1.00. 200,000 shares issued.

Property—19 8-10 acres under Giroux Lake.

Development—Shaft 160 feet deep, with 300 feet drift and cross-cut 130 feet. Two promising leads with a number of stringers.

Equipment—Small steam plant.

Stock closely held, not on market.

GLENGARRY COBALT MINES COMPANY, LIMITED.

(Incorporated September 13th, 1907, under the Laws of Ontario.)

Head Office—Haileybury, Ontario.

Transfer Office.—Room 53, 112 St. James Street, Montreal, Que.

Directors—Henry N. Chauvin, President; George H. Baker, Vice President; E. L. Doucette, Secretary-Treasurer.

Authorized Capital.—$600,000. Par value $1.00. 99,992 shares in treasury

Property—1 Mining Claim of 40 acres and 1 Veteran's Claim of 160 acres, in Firstbrook Township.

Title—In company's name.

Equipment—Camps and equipment for surface work only.

Development—Consists of trenching and 1 small shaft.

Not in producing area.

No market.

GLEN LAKE MINING COMPANY, LIMITED.

(Incorporated April 24th, 1906, under the Laws of Ontario.)

Authorized Capital—$500,000

Never actively engaged in mining business.

GOODWIN LAKE MINES, LIMITED.

(Incorporated under the Laws of Maine, being holding company for the Goodwin Lake Silver Mines, incorporated under the Laws of Ontario.)

Head Office—Ellicott Square, Buffalo, N.Y.

Transfer Office.—L. P. Wilson Company, Incorporated, 10 Milk Street, Boston, Mass., U.S.A.

Directors—William Cuthbert, Montreal, President; J. W. Trounce, Buffalo, N.Y., Vice-President; Robert Adair, Montreal, Secretary; G. H. Jones, Buffalo, N.Y., Treasurer; L. P. Wilson.

Authorized Capital $1,500,000. Par value, 25 cents.

Property—200 acres; being five claims in Concession 8, Township of Lorrain.

Title—2 claims patented, and the others in process of being patented.

Equipment—30 h.p. boiler; 8 x 8 hoist; drills and a general camp for men.

Note.—Working. No market.

GORDON BENSON COBALT MINING COMPANY, LIMITED.

(Incorporated October 3, 1906, under the Laws of Ontario.)

Authorized Capital—$300,000.

Property—N. ½, N.E. ¼, of N. ½, Lot 12, Concession III, Coleman.

Note.—This company is out of existence. The present holders of the property are now organizing a new com., any to take up the property.

GORDON COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated October 31, 1905, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Solicitors—Lennox & Lennox, Toronto.

Directors—W. H. Marsh, Toronto, President; W. Bell, Niagara Falls, Ont., Vice President; J. F. Lennox, Secretary Treasurer.

Authorized Capital $200,000. Par value, $1.00. 117,000 unissued.

Property.—40 acres patented. S.E. ¼ of N. ½, Lot 9, Concession 5, Coleman, 350,000 shares of Silver Belle Stock (which see).

Equipment.—Small steam plant.

Development—Shaft sunk in calcite lead with small silver assays. No ore bodies developed.

Note.—The property has been leased for five years to S. D. Madden, of Cobalt, the company to get 25 per cent. of the net earnings.

Work with the diamond drill just commencing.

No market.

U. W. O. LIBRARY

GOULD CONSOLIDATED MINES, LIMITED.

(Incorporated November 27, 1907, under the Laws of Ontario.)

Head Office—Ottawa, Ont.

Solicitors—Kidd & Carss, Ottawa, Ont.

Directors—J. K. Paisley, Ottawa, Ont., President; J. Gould, capitalist, Boston, Mass., Vice President; G. O. Carss, barrister, Ottawa, Secretary Treasurer; A. T. Shillington, M.D., Ottawa; Dan O'Connor, jr., Ottawa; R. Masson, Ottawa; W. J. Kidd, Ottawa.

Authorized Capital.—$2,000,000. Par value, $1.00. 700,000 shares in treasury.

Property.—2 leases from the Peterson Lake Silver Cobalt Mining Company, Limited 120 acres in Coleman, near Gillies Limit, adjacent to property of Canadian Pacific Development Company.

3,000 acres, mining license, in Quebec, on east side of Lake Temiskaming, Townships of Duhamel, Fabre and Guigne.

Development.—On the Peterson Lake leases, a shaft has been sunk 125 feet and will be continued to the 150 foot level, where cross cuts will be driven to prospect for Vein 86 of the "Nipissing," which it is hoped will be encountered.

Market, 4½c-5½c.

GREAT NORTHERN SILVER MINES, LIMITED.

(Incorporated December 2nd, 1908, under the Laws of Ontario.)

Head Office.—15 Richmond Street West, Toronto.

Transfer Office—Imperial Trust Company, Toronto.

Directors—A. D. Crooks, Toronto, President; W. R. Smythe, M.P., Rydal Bank, First Vice-President; J. H. Hyland, Toronto, Second Vice-President; E. S. Ball, Imperial Trust Co., Toronto, Secretary; F. L. Cody, Cobalt, Managing Director; Frank Plummer, S. H. Bradford, A. G. Strathy, F. H. Lightbourne, C. W. Irwin, Toronto.

Authorized Capital—$1,500,000. Shares in treasury, $250,000.

Assets.—1st, The company controls absolutely the light and power business in the town of Cobalt having an eight year exclusive franchise. This business is carried on by a separate corporation under the name of The Cobalt Light, Power & Water Company, Limited, the stock of which is owned by the Great Northern Silver Mines; the capital stock of the Light Co. being $150,000. The company states that from this source it receives a gross income of $50,000 per year.

2nd. Mining Properties. (a) 114 acres of patented property in Coleman Township in Lots 8 and 9, Concession 6, part of which is covered by the waters of Clear Lake.

(b) 20 acres of patented land, being part of Lot 3, Concession 6, Coleman Township, and 40 acres adjoining this on the N.E. corner in Bucke Township.

(c) 5 claims in South Lorrain, in all 185 acres. Claims 10270, 10733, 8554, 8555, 10252.

(d) 3 claims in Gowganda, M.R. 1874 on Long or Gordon Lake. G.G. 2491 and 2492 on Hanging Stone Lake.

Development—Sufficient work has been done on these claims to obtain patents. Mining property "b" has been leased on a royalty basis to S. D. Madden and associates.

Note.—This company was incorporated December 2nd, 1908, being a consolidation of The Cleveland-Cobalt Silver Mines, Limited, and The Clear Lake Mining Company, Limited.

Market, October 19, 12c-13c.

GREEN-MEEHAN MINING COMPANY, LIMITED.

(Incorporated Oct 24th, 1906, under the Laws of Ontario.)

Annual Meeting—November 9.

Head Office.—Room 1003 Traders Bank Building, Toronto.

Directors—F. B. Chapin, Toronto, President; A. E. Dyment, Toronto, Vice President; J. G. Langton, Toronto, Secretary; D. W. Green, Toronto; Arthur Ferland, Haileybury, Ont.; Joseph Stauffer, Cobalt, Ont.; W. C. Chambers, Harriston, Ont.; Lewis Coste, Ottawa, Ont.; W. B. Russell, Toronto, Ont.; J. K. Paww, Newport, N.J.

Authorized Capital $1,500,000. Par value, $1.00.

The original subscription was for 2,500,000 shares. The capital stock of the company was subsequently reduced to 1,500,000 shares.

Property.—Consists of part of the S.W. ¼ of the N. ½, Lot 14, Concession I, Bucke.

Development.—A considerable amount of development work has been done, and some very rich ore shoots located; as yet, however, no important ore bodies have been blocked out. The main shaft has been sunk to the 200 foot level with drifts and cross-cuts at 100 and 200 feet. 125 feet of drifting has been done at the lower level.

The Financial Statement of March 31, 1909, shows cash on hand, supplies and accounts receivable amounting to $35,198.00. Since that time approximately this amount has been spent in development work, $18,000 being added to the treasury by the sale of treasury stock.

For development this year see Consolidated Silver Cobalt Mines, Limited.

HAILEYBURY BUCKE COBALT COMPANY, LIMITED.

(Incorporated April 17, 1907, under the Laws of Ontario.)

Head Office.—Solicitors Day, Ferguson & O'Sullivan, Toronto.

Authorized Capital—$40,000.

Property—S.W. ¼ of S. ½, Lot 4, Concession IV, Bucke.

Note.—A holding company. Property was one of the assets claimed by the International Cobalt Company (which see). Payments were defaulted and property never transferred to the above company.

Not working.

Several miles from the producing area.

THE HAILEYBURY TOWNSITE MINING COMPANY, LIMITED.

(Incorporated March 15, 1907, under the Laws of Ontario.)

Head Office. Sudbury, Ontario.

Solicitors.—Mulligan & Meldrum, Sudbury, Ontario.

Directors.—Philip John Green, Sudbury, Ont., President; L. A. Mulligan, Sudbury, Ont., Secretary; Daniel Laughlin McKinnon, Sudbury, Treasurer; Wm. Alex. McDonell, Victoria Mines, Ont.; Herbert Peters, Toronto.

Authorized Capital.—$750,000. Par value $1.00.

Property.—(1) 45 acres in town limits of Haileybury, in Bucke Township, on shores Lake Temiskaming; (2) Three recorded claims north of Prince Township, J.S. 101; J.S. 105; and J.S. 106; forty acres each. (3) 40-acre recorded mining claim in Boston Township. (4) 40-acre claim in Waters Township, S. 163.

Development.—On No. 1, stripping exposed two calcite veins with small showings of silver. Nos. 3 and 4 are nickel and copper properties.

HALL MARK SILVER MINES COBALT, LIMITED.

(Incorporated June 26th, 1907, under the Laws of Ontario.)

Directors—A. F. Lobb, barrister, Manning Chambers, Toronto; W. M. Whitehead, G. A. Young, R. D. Hall, Toronto.

Authorized Capital $300,000. Par value, $1.00.

Property—The N. ½ of the N.W. ¼ of the N. ½ of Lot No. 15, Concession 5, Township of Coleman, comprising in all 20 acres.

Development—No development work is being done.

The property is situated in Eastern Coleman out of the proved area of silver enrichment.

No market October 2nd, 1909.

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HARMON MINING AND LEASING COMPANY, LIMITED.

(Incorporated August, 1909, under the Laws of Ontario.)

Head Office—Cobalt, Ont.

Directors—Floyd Harmon, Cobalt, Ont., President; George Ross, Cobalt, Ont., Vice President; J. R. McDougall, Cobalt, Ont., Secretary Treasurer; P. J. Finlan, Cobalt, Ont.; Dr. J. A. King.

Authorized Capital—$500,000. Par value, $1.00. 200,000 shares in treasury.

Property.—Lease for five years of the Peverley property: W. ½, S.E. ¼, S. ½, Lot 2, Concession III, Coleman. 1/5 interest in Harmon McDougall Ross Syndicate at Le Roy Lake. Two claims in Lawson Township.

Note.—This company was organized to prospect for, develop and lease mining properties. Work is going on on the Coleman property.

Market: Offered by the company at 25c.

THE HAZEL JULE COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated February 20th, 1907, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Transfer Office—Trusts & Guarantee Company, Limited, 14 King St. East, Toronto.

Directors—Dr. Walter L. Savage, Buffalo, N.Y., President; D'Alton M. Gilpin, Cobalt, Ont., Vice President and Secretary; John A. Donaldson, Buffalo, N.Y., Treasurer; Aaron Fybush, Mutual Life Building, Buffalo, N.Y.; John Voss, Jr., Buffalo, N.Y.

Authorized Capital—$500,000. Par value, $1.00.

Property—40 acres, S.W. ¼ of S. ½, Lot 6, Concession 1, Bucke; option on 20 acres ½ of S.W. ¼ of S. ½, Lot 13, Concession 4, Coleman.

THE HIAWATHA COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated February 28th, 1907, under the Laws of Ontario.)

Head Office—Room 9, Trust Building, Ottawa, Ont.

Directors—Lt. Col. Norreys Worthington, M.P., Sherbrooke, Que., President; J. A. Seybold, Ottawa, Ont., Vice President; W. M. Ogilvie, B.Sc., Ottawa, Ont., Secretary Treasurer; Gerald T. Brabazon, M.P., Portage du Fort, Que.; Stillman F. Kneeland, New York.

Authorized Capital—$1,000,000. Par value, $1.00. 800,000 shares in treasury.

Property—S.W. ¼ of S. ½, Lot 13, Concession 1, Bucke.

Formation—Diabase and Lower Huronian.

Development—A number of calcite veins were discovered showing some cobalt.

No record of any recent activity.

No market.

THE HOLMES COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated April 16, 1908, under the Laws of Ontario.)

Head and Transfer Office—Windsor, Ont.

Directors—Robert Henry, ex M.P., President; Marshall Thompson, Vice President; A. B. Drake, Secretary-Treasurer; George H. Holmes, Director; W. Fred Park, M.B., Director.

Authorized Capital—$500,000. Par value, $1.00.

Property.—Mining claims 279 and 380, being the W. ½ of the N.W. ¼ of the S. ½ of Lot No. 1; and the W. ½ of the S.W. ¼ of the S. ½ of Lot No. 1, in Concession 2, Township of Coleman, District of Nipissing.

Title—Crown Patent.

Development—Consists of stripping veins, shaft down about 25 feet; several test pits.

No market October 2nd, 1909.

HUDSON BAY EXTENDED, LIMITED.

(Incorporated April 17th, 1906, under the Laws of Ontario.)

Authorized Capital—$100,000.

Note.—"This company sold its properties to the Cleveland-Cobalt Company over two years ago, but the winding up was not effected until some time later. The Hudson Bay Extended received 300,000 shares of Cleveland-Cobalt stock for its properties, and as the company had no other assets this stock was divided among the shareholders, giving them six shares of Cleveland-Cobalt (now Great Northern) for each share of Hudson Bay Extended."

THE HUDSON BAY MINES, LIMITED.

(Incorporated July 17th, 1909, under the Laws of Ontario.)

Head Office—New Liskeard, Ont.

Directors—George Taylor, President; A. A. McKelvie, Vice-President; F. L. Hutchinson, Secretary-Treasurer; D. T. K. McEwen, T. McCamus, S. S. Ritchie, D. M. Ferguson, J. J. Grills.

Authorized Capital—$3,500,000. Par value, $1.00. 500,000 shares in treasury.

Property—Took over properties formerly held by Temiskaming and Hudson Bay Mining Company, Limited, in Coleman Township (which see).

THE HUDSON COBALT MINING COMPANY, LIMITED.

(Incorporated June 27th, 1906, under the Laws of Ontario.)

Head Office—Barrie, Ontario.

Directors—J. K. Lindsay, 38 Yonge St., Toronto, President; Will. R. King, Barrie, Ont., Secretary.

Authorized Capital—$300,000.

Note.—Unable to obtain further information.

THE HUNTER COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated Nov. 21, 1906, under the Laws of Ontario.)

Head Office—19 Elgin Street, Ottawa.

Directors—Hon. F. R. Latchford, K.C., Ottawa, President; W. Lake Marler, Ottawa, Vice-President; J. J. Heney, Ottawa, Secretary-Treasurer.

Authorized Capital—$1,000,000. Par value, $1.00.

Property—40 acres in Lots 13 and 14, Concession I, Bucke.

Formation—Conglomerate and Keewatin.

Equipment—Small steam plant and buildings.

Development—Two shafts sunk to a depth of 60 feet on a strong calcite vein.

Note.—No work has been done on the property for two years.

No market.

HURONIAN COBALT COMPANY.

(Incorporated under the Laws of South Dakota.)

Note.—The company's solicitors report, September 14, 1909:—"The Huronian Cobalt Company is out of existence."

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THE HURONIAN-COBALT SILVER MINING CO., LIMITED.

(Incorporated November 9, 1906, under the Laws of Ontario.)

Head Office—Parry Sound, Ont.

Directors—C. A. Phillips, Parry Sound, Ont., President; A. B. Begg, Parry Sound, Ont., Vice-President; G. G. Gladman, Parry Sound, Ont., Secretary Treasurer; J. R. Stone, Parry Sound, Ont.; J. J. Anderson, Cobalt, Ont.; W. J. Beatty, Parry Sound, Ont.; Alex. Logan, Parry Sound, Ont.; John F. Lennox, Cobalt, Ont.

Solicitor—W. L. Haight, Parry Sound, Ont.

Property—80 acres, being: (1) N. ½, N.W. ¼ of S. ½, Lot 11, Concession IV, Coleman; S. ½, S.W. ¼ of N. ½, Lot 11, Concession IV, Coleman, containing 20 acres. (2) In the Temagami Forest Reserve on the shores of Anima-Nipissing Lake, known as "Mining Claim No. T. R. 52," containing 40 acres.

Equipment—Suitable camps have been erected.

Development—Stripping and trenching has been done for the purpose of exposing the veins over a considerable area of this property and 12 well-defined veins discovered.

A shaft, 6 x 9 feet, has been sunk to a depth of 56 feet and a cross-cut of 18 feet made at that depth, exposing several veins.

Note.—Not in producing area. Not operating at present.

No market, October 23rd, 1909.

HYLAND SILVER MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

This company has been absorbed into the Great Northern Silver Mines, Limited.

IMPERIAL COBALT SILVER MINES COMPANY, LIMITED.

(Incorporated November 16th, 1906, under the Laws of Ontario.)

Authorized Capital—$1,000,000. Par value, $1.00.

Property—This company controlled 60 acres in the Portage Bay District of Coleman and 80 acres in Bucke Township.

Note.—We are informed, October 19th, that this company has done nothing for some time and is in the hands of an official assignee.

IMPERIAL CONSOLIDATED MINING COMPANY, LIMITED.

(Incorporated April 23rd, 1907, under the Laws of Ontario.)

Authorized Capital—$1,500,000.

The title of this company was changed May 22nd, 1907, to Northern Consolidated Cobalt Mines, Limited.

IMPERIAL CROWN MINES, LIMITED.

(Incorporated November 10th, 1908, under the Laws of Ontario.)

Head Office—34 Victoria Street, Toronto.

Executive Office—Royal Insurance Building, Montreal, Que.

Directors—Col. John Carson, Montreal, Que., President; Major James J. Ross, Montreal, Vice-President; W. R. Gear, Montreal.; J. T. R. Laurendean, Montreal; James Ballantyne, Montreal; William Lyall, Montreal; A. G. Gardner, Montreal; Lt.-Col. Chas. A. Sword, Montreal.

Authorized Capital—$1,000,000. Par value, $1.00.

Property—20 acres, W. ½, S.E. ¼, S. ½, Lot 3, Concession 5, Coleman.

Formation—Diabase. Underground development work on the Crown Reserve has shown that the Lower Huronian slates dip under the diabase on the north shore of Kerr Lake.

Development—The surface is being trenched in a very thorough manner. A force of men has been working all summer, and the property has been cut into 100-foot squares with trenches. Several veins of calcite carrying some silver values have been located. On one of these veins at the west side of the property a shaft is down about 40 feet. Another shaft will shortly be started on a vein near the Kerr Lake Majestic line. A diamond drill has been working to locate the underlying Huronian slates.

Market: Not listed.

Note.—The developments in this district indicate great possibilities in the slates underlying the diabase.

INDEPENDENCE COBALT SILVER MINES COMPANY, LIMITED.

(Incorporated December 28th, 1906, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Solicitors—Biggs & Biggs, Toronto, Ontario.

Directors—F. A. Goring, St. Catharines, Ont., President; C. E. Mabon, Sanborn, N.Y., Vice-President; E. W. Smith, St. Catharines, Ont., Secretary-Treasurer; S. Percy Biggs, Toronto, Ont.; G. F. Ecclestone, St. Catharines, Ont.

Authorized Capital—$1,000,000. Par value, $1.00. 500 shares in treasury.

Property—20 acres, being W. ½, S.W. ¼, S. ½, Lot 16, Concession 6, Coleman.

Development—From information received we infer that the company is not operating.

Note.—Not in or near producing area.

No market.

INDIANA COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated November 13, 1907, under the Laws of Ontario.)

Head Office—Solicitors, Day, Ferguson & O'Sullivan, Toronto.

Directors—Harvey B. Engle, Indiana, Pa., President; Jacob B. Younkins, Indiana, Pa., Secretary; S. T. McHenry, Indiana, Pa., Treasurer; J. H. Mitsell, Indiana, Pa.; Charles Moore, Indiana, Pa.; C. H. W. Anel, Indiana, Pa.; H. C. Martin, Indiana, Pa.; George A. Striker, Buffalo, N.Y.; A. Smith, Niagara Falls, N.Y.

Authorized Capital—$250,000.

Property—Lot 6693, Portage Bay, between Portage Bay and Anima-Nipissing, Coleman.

Development—Assessment work only. Not operating.

Note.—Property several miles from the producing area.

No market.

INTERNATIONAL COBALT COMPANY.

(Incorporated under the Laws of Maine.)

Authorized Capital—$250,000. Par value, $1.00.

Note.—The solicitor of the company reports September 14, 1909:—

"This company was formed in New York for the purpose of taking over from the Haileybury Bucke Company a lot up in the centre of Bucke. A promoter had a contract, but did not make good. I found that he was issuing literature, selling stock, and did not know the company, and that he had my name on his literature as a director. I took the matter up with the New York police authorities, but before they got to his office, he had skipped with the money. The company never had any property and has not any now."

No market.

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THE INTERPROVINCIAL MINING COMPANY, LIMITED.

(Incorporated Aug. 31, 1906, under the Laws of Ontario.)

Head Office—Haileybury, Ont.

Branch Office—Room 69, 112 St. James St., Montreal.

The original Directors were Hon. W. A. Weir, K.C., M.P.P., Montreal, President; Alexander Hay, Haileybury, Ont., Vice-President; J. A. Ewing, Montreal, Secretary Treasurer; L. J. LaBrosse, M.P.P., St. Eugene, Ont.; Thos. H. Steele, Orillia, Ont.; George Armitage, Sherbrooke, Que.

Authorized Capital—$1,500,000. Par value, $1.00.

Property—(1) 20 acres in Lot 13, Concession 5, Coleman Tp.

(2) 20 acres in Lot 15, Concession 6, Coleman Tp.

(3) 40 acres in Lot 4, Concession 1, Firstbrook Tp.

(4) 300 acres, being Lots 14 and 15, Range 1, and Lot 16, Range 2, in the Township of Fabre, Province of Quebec.

Note.—These properties are all outside the producing area.

No recent information available.

IROQUOIS COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated May 3, 1906, under the Laws of Ontario.)

Head Office—Haileybury, Ont.

Solicitors—Graham, Kearney & Wright, Haileybury, Ont.

Authorized Capital—$100,000. Par value, $1.00.

Property—The company owned: E. ½, N.E. ¼, N. ½, Lot 11, Concession III, Coleman; and a small fraction in Lot 8, Concession IV, Coleman.

Note.—The company is now defunct.

THE ISA MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

All the stock in this company is now held by The Argentite Cobalt Company.

THE IVANHOE COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated December 27th, 1907, under the Laws of Ontario.)

Head Office—Ottawa, Ontario.

Solicitor—W. C. McCarthy, 515 Cooper St., Ottawa, Ont.

Directors—Herbert Sylvester Clements, Ottawa, President; John C. Campbell, broker, Ottawa, Ont., Secretary.

Authorized Capital—$1,000,000. Par value, $1.00.

Note.—No further information obtainable.

JACK POT COBALT SILVER MINING COMPANY.

(Incorporated January 16th, 1907, under the Laws of Ontario.)

Head Office—Cobalt, Ont.

Directors.—W. F. Greene, President; J. J. Anderson, Vice-President; D. C. Petrie, Secretary-Treasurer; James M. Sinclaire; F. C. Powell; J. W. Evans; A. Klinginsmith.

Authorized Capital.—$750,000. Par value, $1.00. 72,000 shares in treasury.

Property—One town Lot 411, 66x120 feet in Cobalt, located near Nancy Helen, Buffalo, and City of Cobalt Mines. Four other claims in Coleman out of producing area.

Title—Patents applied for. Lease of Lot 411.

Equipment—None.

Development—Assessment work on all four claims. Fifty foot shaft on Lot 411 and 20 foot cross-cut.

No market, October 2nd, 1909.

THE JOHN BLACK MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

Authorized Capital—$1,500,000. Par value, $1.00.

Property—The W. ½ of the N.W. ¼ of the N. ½ of Lot No. 1, Concession 2, Township of Coleman.

The N. ½ of the S.E. ¼ of the N. ½ of Lot No. 2, Concession 2, Township of Coleman, 20 acres—40 acres in all.

Note.—Absorbed by the Black Mines Consolidated, Limited.

JOHNSON MINES, LIMITED.

(Incorporated August 14, 1907, under the laws of Ontario.)

Head Office—157 Bay Street, Toronto.

Directors—James Duncan Todd, Toronto, President; Thomas D. Harned, Sr., Philadelphia, Vice-President; Wm. Pinkerton, care Pinkerton, Clute & Co., Barristers, Toronto, Secretary-Treasurer; Andrew J. Smith, Philadelphia, Pa.; John Rogers, Toronto.

Authorized Capital—$1,000,000. Par va[illegible] $1.00.

(750,000 shares of the Capital Stock were allotted for the property, leaving 250,000 shares as treasury stock for development purposes.)

Property—17 mining claims of 20 acres each, comprising all of Lot 12 and the N.W. ¼ of N. ½ of Lot 11, in Concession VI. of the Township of Coleman. Patented.

Development—We are informed: "A large amount of trenching has been done and two shafts have been sunk, one on the south west location of Lot 12 to a depth of 50 feet and one to a depth of 60 feet on the north west location of Lot 12, on both of which good results have been obtained.

Note.—Working.

Not in producing area.

No market.

JUMBO COBALT SILVER MINES, LIMITED.

(Incorporated February 15, 1907, under the Laws of Ontario.)

Head Office—Frank J. Whaley, East Aurora, N.Y.

Authorized Capital—$1,000,000. Par value, $1.00.

Property—40 acres in Lot 19, Concession IV, Coleman.

Development—Considerable development work was d[illegible] on some large calcite veins carrying cobalt bloom and small silver assays.

Not.—Put on market by B. J. Hatmaker & Co., Buffa[illegible] N.Y.

Not operating

Not in producing area.

KEEWATIN SILVER COBALT MINING COMPANY, LIMITED.

(Incorporated December 5th, 1906, under the Laws of Ontario.)

Head Office—505 St. Paul Street, Montreal, Quebec.

Directors—Geo. E. Green, Binghampton, President; Geo. Macdonald, New York, Vice-President; A. M. Bilsky, Cobalt, Secretary-Treasurer; Jacob A. Jacobs, Henry Hess, Joseph M. Frameolini, John W. Lessin, James O. Woodward.

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Authorized Capital $1,000,000. Par value, $1.00.

Property- The W. ½ of the N.E. ¼ of the N. ½ of Lot 13, Concession 3, Township of Coleman, District of Nipissing.

Note.- The solicitors of the company report: "There are no recent proceedings of this company, and it has not been doing any work for the past two years."

KERR LAKE CROWN RESERVE, LIMITED.

(Incorporated January 16, 1907, under the Laws of Ontario.)

Authorized Capital—$2,000,000.

Head Office—Toronto, Ont.

Name changed to Crown Reserve Mining Company, Limited.

THE KERR LAKE LAWSON MINING COMPANY, LIMITED

(Incorporated November 16th, 1906, under the Laws of Ontario.)

Authorized Capital $1,500,000.

The title of this company was changed, January 25th, 1907, to Kerr Lake Majestic Mines, Limited.

KERR LAKE MAJESTIC MINES, LIMITED.

(Incorporated by amended charter. Name changed from Kerr Lake Lawson Mining Company, Limited.)

Head Office—Cobalt, Ontario.

Directors—Wm. F. Powell, Ottawa, Ont., President; Robert T. Shillington, Haileybury, Ont., Vice-President; J. H. Susman, New York, Secretary Treasurer; W. N. Lewis, Cobalt, Ont.; Julius Lewisohn, New York.

Authorized Capital—$1,500,000. Par value, $1.00.

Property—E. ½ of S.E. ¼ of S. ½, Lot 3, Concession 5, Coleman, 20 acres.

Formation—Diabase. The development work on the Crown Reserve indicates that the Lower Huronian slates underlie the diabase on the southern end of this lot.

Veins and Development—Several promising veins have been located. A shaft has been sunk 175 feet on a strong calcite lead and will be continued to 250 feet. Levels will be driven at 175 and 250 feet. From the working shaft cross-cuts will be driven to cut at depth several other veins which have been located, one of which carries very promising silver values.

The control of the company is under option to the Kerr Lake Mining Company.

Market: November 10th, 1909, offered at 40.

KERR LAKE MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office.—Cobalt, Ontario.

Authorized Capital.- $40,000, being 400 shares of $100. each.

KERR LAKE MINING COMPANY.

Note.—This is the Ontario company under whose charter the Kerr Lake Mining Company of New York, (which see) does its business.

KERRY MINING COMPANY.

(Incorporated under the Laws of the State of New York.)

(Licensed in Ontario, September 26th, 1906.)

Head Office Rochester, New York.

Directors—George K. M. Clarke, President; Alvin H. Dewey, Vice-President; Edwin C. Smith, Secretary; Allen L. Wood, Treasurer; George H. Bliven.

H. E. Jackman, Box 550, Cobalt, Ont., Manager.

Authorized Capital $2,500,000. Par value, $5.00. 200,000 shares in treasury.

Property—40 acres, being the S.E. ¼ of the S. ½ of Lot 11, Concession 5, James Township, Montreal River District.

80 acres in Temagami Reserve District.

Two claims in Klock, on the Metawabiba and two more on Anima Nipissing Lake; all four held by lease.

25 acres (leasehold) in Cart Lake, Coleman Township.

18 acres (leasehold) in Peterson Lake, Coleman Township, leased from the Peterson Lake Mining Co.

Equipment. Two 30 h.p. boilers; 3 drill compressors; two 6 x 8 hoists. Bunk house for 60 men; office; ore house 25x35; also get air from Nipissing for drill pump and hoist.

Development October 1st, 1909: One shaft in Cart Lake 100 feet deep and about 500 feet of drifting.

No. 2 shaft in Cart Lake, 50 feet deep; abandoned until air line is in.

No. 1 shaft Peterson Lake, 190 feet deep with level 125 feet and about 700 feet of drifting. Have three veins silver ore one of which is very high grade. Shall begin second level at 200 feet.

No. 2 shaft on Peterson 70 feet deep; will sink and connect with No. 1 shaft.

No market Oct. 2nd, 1909.

KEYSTONE LORRAIN MINING COMPANY, LIMITED.

(Incorporated July 31st, 1907, under the Laws of Ontario.)

Head Office—Haileybury, Ontario.

Solicitor—F. R. Hensall, 227 Land Title Building, Philadelphia, Pa.

Directors—Frank T. Davis, 410 Walnut St., Philadelphia, Pa., President; Geo. M. Davis, 203 West 18th St., Wilmington, Del., Secretary; Charles J. Suplee, 942 Real Estate Bldg. Philadelphia, Pa., Treasurer; George G. Thomson, 310 Cherry St., Philadelphia, Pa.; Meyer Schamberg, Bullett Building, Philadelphia, Pa.; Clarence H. Campbell, 1800 Market St. Philadelphia, Pa.; Wm. J. Moore, 400 Chestnut St., Philadelphia, Pa.; Thos. D. Cook, 9th & Pine Sts., Wilmington, Del.; Wm. Lindeman, 723 Chestnut St., Philadelphia, Pa.

Authorized Capital—$1,000,000. Par value, $1.00.

Note.—The above information was obtained from the Annual Report of the company for the year ending December 31st, 1908, filed in the Provincial Secretary's office.

No further information obtainable.

KING COBALT MINING COMPANY, LIMITED.

(Incorporated Jan. 24th, 1906, under the Laws of Ontario.)

This Company is now owned by the King Edward Silver Mine.

KING EDWARD SILVER MINES.

Head Office—Room 512, 71 Broadway, New York, U.S.A.

Directors—Willard P. Ward, President; J. H. Sussmann, Vice-President; A. W. Wickwire, Secretary; John Josten, Treasurer; B. B. Lawrence.

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Note.—The holdings of the King Edward Silver Mines consist of the entire capital stock (100,000 shares) of the Edward Cobalt Mines, Limited, and 800,000 shares out of a total capital of 1,000,000 shares of the Watts Mines, Limited. All of the development in the past has been done upon the property of the Watts Mines, Limited (which see).

Very little work done and no ore produced from the Edward Cobalt property.

Market, Nov. 4, 1909, 56c-62c.

THE KIRK LAKE MINES COMPANY.

(Chartered in Maine.)

Authorized Capital—$2,000,000. Issued, $1,600,000. Par value, $1.00.

Directors—Albert Vittum, Beverly, Mass., President; D. H. Whipple, New York, Sec. Treasurer; J. V. Hemstreet, Herkimer, N.Y.; Samuel Meadows, Dorchester, Mass.; Charles E. Carter, Boston, Mass.

Location. (1) The N.W. ¼ of the S. ½ of Lot 3, Concession 10, Township of Lorrain, 40 acres. (2) The S.E. ¼ of the S. ½ of Lot 1, Concession 10, Township of Lorrain, 40 acres. (3) The N.E. ¼ of the N. ½ of Lot 1, Concession 9, Township of Lorrain, 40 acres. (4) The S.E. ¼ of the S. ½ of Lot 2, Concession 9, Township of Lorrain, 40 acres. (5) The N.W. ¼ of the N. ½ of Lot 3, Concession 8, Township of Lorrain, 40 acres—in all, 200 acres.

None of these properties are in the productive area. Nos. 2 and 3 and mostly granite, which is unproductive in the Cobalt district.

This company took over the Boston Portage Silver Mines.

No market, October 2nd, 1909.

KNICKERBOCKER COBALT MINES, LIMITED.

(Incorporated February 22nd, 1907, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Solicitors—Thomson, Tilley & Johnston, Toronto.

Authorized Capital—$550,000. Par value, $1.00.

Property—S.W. ¼ of S. ½, Lot 1, Concession 12, Lorrain.

Note.—No work going on at present.

This is a close corporation.

LAKE GEORGE COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated February 6th, 1907, under the Laws of Ontario.)

Head Office—20 King Street East, Toronto.

Transfer Office—Toronto General Trusts Company.

Directors—Hugh Munro, Alexandria, Ont., President; William McBain, Toronto, Vice President; John A. McMillan, M.P., Alexandria, 2nd Vice President; A. W. Holmsted, 20 King Street East, Toronto, Secretary-Treasurer; W. H. Bunting, St. Catharines, Ont.; D. Jamieson, M.L.A., Durham, Ont.; R. A. Sibbett, Ottawa, Ont.; J. A. Cameron, Alexandria, Ont.; K. McLennan, M.D., Alexandria, Ont.; F. T. Costello, Alexandria, Ont.

Authorized Capital—$1,500,000. Par value, $1.00. 300,000 shares in treasury.

Property—40 acres, being the S.W. ¼ of the N. ½ of Lot 8, Concession 5, Coleman Township; 40 acres, being the N.W. ¼ of the S. ½ of Lot 8, Concession 6, Coleman Township—in all, 80 acres.

Title—Both claims patented.

Equipment—Bunk house, blacksmith shop and outfit.

Development.—A director of the company reports (September 8th, 1909): "Forty-foot shaft on south property. Considerable trenching done on both properties and a large number of veins uncovered.

No development work has been done on either of the properties since the summer of 1906."

Note.—Not in producing area.

No market.

THE LAKE TEMISKAMING SILVER MINING COMPANY, LIMITED.

(Incorporated January 16, 1907, under the Laws of Ontario.)

Head Office.—Ottawa, Ontario.

Directors.—C. J. Booth, President; J. L. Rochester, Vice-President; H. G. Ketchum, Secretary-Treasurer; George Parsons; A. Macfarlane.

Authorized Capital. $850,000. Par value, $1.00. 350,000 shares in treasury.

Property.—North East corner of Lorrain, on shores of Lake Temiskaming. Patented.

Development. 500 feet of drifting.

THE LANSING COBALT MINING COMPANY, LIMITED.

(Incorporated May 31st, 1907, under the Laws of Ontario.)

Head Office. Windsor, Ontario.

Transfer Office.—Room 7, City Hall, Lansing, Mich.

Solicitors.—Clark, Bartlett & Bartlett, Windsor, Ontario.

Directors.—Jacob Gansley, Lansing, Mich., President; D. J. Robson, Vice President; S. S. Riley, Secretary; H. N. Wilder, Treasurer; C. E. Van Keuren, Wm. H. Flynn.

Authorized Capital. $400,000. Par value, $1.00.

Property.—No. 1, N.E. ¼ of N. ½, Lot 6, Concession 10, Lorrain, 37 acres; N.W. ¼ of N. ½, Lot 7, Concession 10, Lorrain, 40 acres. No. 2, N.E. ¼ of S. ½, Lot 8, Concession 8, Lorrain, 40 acres; N. ½ of S. ½, Lot 9, Concession 8, Lorrain, 80 acres; S. ½ of N. ½, Lot 9, Concession 8, Lorrain, 80 acres; part of S.W. ¼ of N. ½, Lot 10, Concession 8, Lorrain, 20 acres.—In all, 297 acres.

Title.—Claims not yet patented.

Formation.—Conglomerate and diabase capped over in places with quartzite.

Equipment.—Camp equipment necessary for prospecting.

Development.—All the assessment work has now been completed and the nine claims are ready to be patented.

There are 5 shafts on the property ranging from 12 to 50 feet in depth. Three of these shafts are on calcite veins.

LA PLATA COBALT MINES COMPANY, LIMITED.

(Incorporated April 3rd, 1907, under the Laws of Ontario.)

Head Office.—34 Victoria Street, Toronto.

Solicitors. Day, Ferguson & O'Sullivan, Toronto.

Directors. Walter R. Hensey, 130 Broadway, New York, President; Joseph R. Draney, 120 Broadway, New York, Vice President; Horace P. May, 120 Broadway, New York; Linda B. Davis, 120 Broadway, New York; Eva E. Muller, 120 Broadway, New York; Josephine A. Vernon, 120 Broadway, New York; R. F. Little, 31 Nassau St., New York.

Authorized Capital. $1,000,000. Par value, $1.00.

Note.—This company owned some of the properties in Bucke and Firstbrook taken over by the Bishop Company and traded them for some stock in that company. (See Bishop Silver Mines of Canada, Limited.)

LA ROSE MINES, LIMITED.

(Incorporated February 21st, 1907, under the Laws of Ontario.)

La Rose Mine, La Rose Extension, Princess Mine, Fisher Claim, Epplett Claim, Silver Hill Claim.

All the capital stock of this company is now owned by the La Rose Consolidated Mines, Limited.

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LA ROSE MINING COMPANY, LIMITED

(Incorporated under the Laws of Ontario.)

The title of this company was changed, April 13th, 1907, to Alpha Mining Company Limited.

THE LAST CHANCE MINING COMPANY, LIMITED.

(Incorporated under the Laws of Arizona.)

Post Office—Latchford, Ontario.

General Office—378 Ellicott Square, Buffalo, N.Y.

Directors—Sidmoor Sager, President; Eben. B. Smith, Vice-President; Jacob Heinle, 2nd Vice-President; Harrison T. Chamberlin, Secretary-Treasurer.

Authorized Capital—$1,000,000. Par value, $1.00. 500,000 shares in treasury.

Property—Ten 20-acre lots, in Lots 15, 16, 17, 20, Concession 3, Township of Coleman. Also 80 acres at the S. end of Rib Lake (gold property).

Development—The Secretary reports September 14th, 1909: "Active work on properties in Lot 15, Concession 3, Coleman Township."

Note.—Not in producing area.

No market October 2nd, 1909.

LAWSON COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated May 12th, 1906, under the laws of Ontario.)

The title of this company was changed February 15th, 1907, to Silver Cross Cobalt Silver Mining Company, Limited.

THE LAWSON MINE, LIMITED.

(Incorporated April 23rd, 1907, under the Laws of Ontario.)

All the capital stock is now owned by the La Rose Consolidated Mines, Limited.

THE LODE STAR MINING COMPANY, LIMITED.

(Incorporated June 28th, 1907, under the Laws of Ontario.)

Head Office—Toronto.

Authorized Capital—$3,000,000.

Note.—The solicitor of the company reports, September 9th, 1909: "This company has not yet been fully organized and it has not, therefore, undertaken any business."

THE LOMBARD COBALT SILVER MINES, LIMITED.

(Incorporated March 27, 1907, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Transfer Office and Secretary—Imperial Trusts Co., Toronto.

Directors.—H. R. O'Hara, 53 Bernard Ave., Toronto, President; Dr. A. R. Gordon, Vice President; S. T. Bastedo, A. R. Wright, George S. Deeks.

Authorized Capital—$1,000,000. Par value, $1.00.

Property—20 acres, Patented, being: W. ½, N.W. ¼, N. ½, Lot 8, Concession V, Coleman.

Development—Two shafts were sunk on the property.

Not operating.

Not in producing area.

The name of this company was originally The Aberdeen Cobalt Silver Mines, Limited, the change of title was authorized May 17th, 1909.

THE LONDON COBALT MINING CORPORATION, LIMITED.

(Incorporated January 4th, 1909, under the Laws of Ontario.)

Directors—A. W. Draper, 86 King St. East, Toronto, President; Dexter C. Davis, Marietta, Ohio, Vice President; B. A. Smillie, Toronto, Secretary Treasurer; H. W. Pelham Clinton, London; H. G. Torrence, San Francisco; W. W. Moyes, Toronto.

Authorized Capital—$2,000,000. Par value, $1.00.

Property—No. 1, H.B. 1, 40 acres in the Temagami Forest Reserve in District of Nipissing on the Mattawaboka River. No. 2, 185 acres in Lot 11, Concession 6, Township of Ingram, freehold. No. 3, L.M.L. (T.R. 201), 40 acres in Temagami Forest Reserve. No. 4 40 acres, No. 5 L.M., in Temiskaming Mining Division, on Larder Lake.

Note.—Unable to locate any officers of company. Information from prospectus issued 1907. Properties not in productive areas.

THE LOUISE MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

All the stock in this company is now held by The Argentite Cobalt Company.

THE LUMSDEN MINING COMPANY, LIMITED.

(Incorporated December 14, 1908, under the Laws of Ontario.)

Head Office—Ottawa, Ont.

Transfer Office—Toronto General Trusts Corporation, Ottawa, Ont.

Directors—John Lumsden, Ottawa, Ont., President; A. E. Stitt, Ottawa, Ont., Secretary Treasurer; John I. MacCraken, Ottawa, Ont.; H. W. Gaw, Ottawa, Ont.; W. G. Bronson, Ottawa, Ont.; J. F. Booth, Ottawa, Ont.; J. L. Garland, Ottawa, Ont.; A. H. Beaton, Toronto, Ont.; D. R. Street, Ottawa, Ont.

Authorized Capital—$1,000,000. Par value, $1.00. 150,000 shares in treasury.

Property—Three patented claims, being:

No. 1—W. ½ of N.E. ¼ of N. ½, Lot 2, Concession III, Coleman.

No. 2—S. ½ of N.E. ¼ of S. ½, Lot 12, Concession IV, Coleman.

No. 3—S.E. ¼ of N. ½ of Lot 1, Concession II, Bucke.

Equipment.—The company reports October 22nd, 1909, as follows: "Drills worked by compressed air. Steam hoist, usual buildings, including sleeping camp, office, blacksmith shop, drying house, etc."

Development—"One shaft 98 feet. One shaft 110 feet with considerable drifting." The location of No. 1 property is very good. The other properties are out of the producing area.

Market—October 16th, 1909, offered at 55c.

THE MAC MINING COMPANY, LIMITED.

Incorporated under the Laws of Ontario.)

Directors—A. F. Lobb, barrister, Manning Chambers, Toronto; D. A. Macpherson, Toronto; A. Thomson, Toronto.

Authorized Capital—$300,000. Par value, $10.00.

Property—40 acres, being the N.E. ¼ of the N. ½ of Lot 8, Concession 4, Township of Coleman.

Development—No development work is being done. Located outside the proved area of silver enrichment.

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THE MACRAE MINING COMPANY, LIMITED.

(Incorporated Jan. 30th, 1907, under the Laws of Canada.)

Head Office—45 Queen Street, Ottawa, Ont.

Directors—David A. Gordon, Wallaceburg, Ont., President; J. A. Macrae, Ottawa, Ont., Vice-President; J. B. Watson, 45 Queen Street, Ottawa, Secretary-Treasurer; Dr. F. G. Courtenay, Ottawa; D. B. Mulligan, Ottawa; R. V. Sinclair, Ottawa.

Authorized Capital—$1,000,000. Par value, $1.00.

180,000 shares in treasury, and $16,625 has to be found for the treasury out of allotted stock.

Property—The Ruby Mine, being the N.E. ¼ of the S. ½ of Lot 14, Concession 1, Bucke Township.

Title—Patented.

Equipment—Hand equipment only.

Development—Assessment work to obtain patent.

No market, Oct. 2nd, 1909.

THE MALOUF MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office—Haileybury, Ontario.

Executive Office—Room 23, 11 St. Sacrament Street, Montreal.

Directors—G. Renaud, Montreal, President; Arthur Ross, Montreal, Vice-President; T. A. Brunet, Montreal, Treasurer; H. C. Bellew, Montreal; W. R. Matthews, Montreal; F. Charbonneau, Pte. aux Trembles; Charles A. Archambault, Montreal; R. K. Malouf, Haileybury, Secretary and General Manager.

Authorized Capital—$200,000. Divided into 800,000 shares of 25 cents each.

Property—Forty acres, being the S.W. ¼ of the N. ½ of Lot 2, Concession 6, Township of Bucke.

Formation—Diabase.

Development—The Secretary reports (September 2nd, 1909): "A gang of men under a competent engineer is at present at work on our lot and we hope in the near future to install machinery."

Note.—Not in or near the producing area.

No market.

MANHATTAN COBALT MINING COMPANY, LIMITED.

(Incorporated Nov. 2nd, 1906, under the Laws of Ontario.)

Authorized Capital—$100,000. Par value, $1.00.

Property—In Lorrain and Bucke Townships, also in Larder Lake districts.

Note.—Holding company for Manhattan Cobalt, Limited, of New York.

MANHATTAN COBALT, LIMITED.

Authorized Capital—$12,000,000. Par value, $1.00. 6,000,000 in treasury.

Property—The company claimed to have owned The Manhattan Cobalt Mining Company, Limited, of Ontario; The Manhattan Cobalt Mining Company, Limited, of Quebec; and 75 per cent. of The North Cobalt Silver Mines Company.

It claimed to control, through the above companies, 21 different properties in the Provinces of Ontario and Quebec, embracing in all 15,000 acres. Locations being in Lorrain and Bucke Townships, in the Larder Lake District; with copper properties in the Algoma district, and in Fabre, Quebec; also gold and silver properties in Guigues, Lavochere, and at Lake Opasatica.

Note.—The former secretary of the company reports, September 21st, 1909: "Please put, if anything, in regard to this company, that it has been looted by some of its officers and is wiped out."

MAPLE LEAF MINES, LIMITED.

(Incorporated December 7th, 1908, under the Laws of Ontario.)

Directors—Robert Curran, Orillia, Ont., President; J. J. Hatley, Orillia, Ont., Vice President; J. Collins Davis, Orillia, Ont., Secretary Treasurer; Chas. Gifford, Toronto; [illegible] Ritchie, Toronto.

Authorized Capital—$150,000. Par value, 25 cents.

Property—S. ½, N.E. ¼, S. ½, Lot 1, Concession 2, Coleman; [illegible] Lot 1, Concession 2, Coleman.

Development—Trenching. Some small calcite veins uncovered. Working.

No market.

THE MARGARET MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

All the stock in this company is now held by the Argentite Cobalt Company.

THE McCORMACK SILVER MINING COMPANY, LIMITED.

(Incorporated December 13, 1905, under the Laws of Ontario.)

Authorized Capital—$500,000.

Note.—Liquidated.

The company sold out its entire interest to Mr. Fox, of Fox & Ross, for $275,000. Mr. Fox then organized the Cobalt Merger, which took over the Coleman Township part [illegible] McCormack holdings and some other property. $25,000 in cash was paid as first payment [illegible] the $275,000. Each shareholder who had paid 50 cents per share received 57¾ cents per share in cash, being the pro rata per share, first and final dividend of the proceeds of the sale after deducting commission and expenses. The company thus paid off all the shareholders, except the original owners, they only receiving cash for their cash interest, not for their original interest in the properties. The remainder of the price was not forthcoming and McCormack (and two associates) were obliged to take the balance in shares in the Cobalt Merger.

THE McKINNON MINES, LIMITED.

(Incorporated May 17, 1907, under the Laws of Ontario.)

Head Office—Haileybury, Ont.

Solicitors—Shannon & M[illegible], Montreal, Que.

Directors—Alexander McKinnon, Haileybury, Ont., President; Duncan McDougall, Montreal, Que., Vice President; P. C. Shannon, 232 St. James St., Montreal, Secretary Treasurer; Shirley Ogilvie, Montreal, Que.; John P. Black, Montreal, Que.

Authorized Capital—$1,000,000. Par value, $1.00.

Property.—160 acres, being the S. ½ of Lot 1, Concession 5, Township of Becke[illegible]

Development—Three shafts. No work going on at present.

Note.—Not in the producing area.

Market, October 16, 1909, 10c-12c.

MICHIGAN COBALT MINES COMPANY, LIMITED.

(Incorporated February 2, 1909, under the Laws of Ontario.)

Head Office—Windsor, Ont.

Transfer Office—Messrs. McPherson & Co., 16 King St. W., Toronto.

Directors—Henry Stephens, Detroit, Mich., President; S. D. Maddin, Cobalt, Ont., Vice President; Harrison Greer, Detroit, Mich., Secretary Treasurer.

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Authorized Capital—$2,000,000. Par value, $1.00. About 475,000 shares in treasury.

Property—The S.W. ¼ of the S. ½ of Lot 3, Concession V, Township of Coleman.

Title—Lease from Amalgamated Cobalt Mines Company, 10 years. Royalty [illegible], with option to purchase at $100,000.

Equipment—Developing plant, consisting of shaft house, blacksmith shop and hoist house with boiler and hoist and using compressed air from Kerr Lake Mining Company. Shaft house has been erected and machinery is being installed. A dwelling house including kitchen, dining room and bunk room for twenty five workmen has been completed.

Development—Shaft to a depth of 100 feet on promising vein of calcite which carries high silver values on surface. At the 100 foot level three drifts have been [illegible] in a north westerly direction about 157 feet, one in a south easterly direction about 118 feet and one in a southerly direction about 11 feet.

No important ore bodies blocked out.

No market. October 2nd, 1909.

MILBURN COBALT SILVER MINES, LIMITED.

Incorporated March 8th, 1907, under the Laws of Ontario.

Head Office—Peterborough, Ontario.

Solicitors—Hall, Medd & Davidson, Peterborough, Ont.

Directors—W. S. Davidson, Peterborough, Ont., President; G. L. Hay, Peterborough, Ont., Secretary; S. T. Medd, Peterborough, Ont.

Authorized Capital—$200,000. Par value, $1.00.

Note—The above information and the following statement were obtained from the files in the Provincial Secretary's office.

"This company has really never been in a position to do business. They never had any stock subscribed further than the amount required to obtain the charter. They do not possess any property."

MINERAL DEVELOPMENT COMPANY, LIMITED.

Licensed April 29th, 1908, under the Laws of Ontario.

We are informed, October 6th, 1909, that this company has been out of active business for some time.

MISSISSIPPI COBALT SILVER MINING COMPANY, LIMITED.

Incorporated April 23rd, 1907, under the Laws of Ontario.

Head Office—Carleton Place, Ontario.

Directors—William A. Nichols, Carleton Place, Ont., President; Wm. C. Lee, [illegible] Place, Ont., Secretary-Treasurer; R. A. Galbraith, Carleton Place, Ont.; W. T. M[illegible], Carleton Place, Ont.; H. McFadden, Carleton Place, Ont.; R. W. Hodson, Carleton Place, Ont.; A. E. Hodson, Carleton Place, Ont.; W. H. Mathews, Carleton Place, Ont.; E. F. Preston, M.D., M.P.P., Carleton Place, Ont.; H. N. Stimpfleger, Carleton Place, Ont.

Authorized Capital—$1,000,000. Par value, $1.00.

Note—The above information and the following statement were obtained from the company's statement for the year ending December 31st, 1907, filed in the Provincial Secretary's office.

"The company had some stock sold and after paying the assessment work [illegible] and not finding mineral to warrant any large outlay of money being spent [illegible] they passed a by-law to redeem their stock, which was done at par."

MOHAWK COBALT SILVER MINES, LIMITED.

(Incorporated April 16th, 1907, under the Laws of Ontario.)

Head Office and Solicitors—Day, Ferguson & O'Sullivan, Toronto.

Directors—John D. Noble, Petrolia, Ont., President; Dr. R. J. Wilson, Vice-President; E. P. Kadletek, Cobalt, Secretary Treasurer; J. S. King, A. F. Ruthel.

Authorized Capital—$1,500,000. Par value, $1.00.

Property—S. ½ of N.W. ¼ of S. ½, Lot 11, Concession 4, Coleman, 20 acres; N. ½ of N.E. ¼ of S. ½, Lot 12, Concession 4, Coleman, 20 acres. In all, 40 acres.

Title—Patented.

Note.—Not in producing area.

No work being done.

MONESSEN COBALT MINING COMPANY, LIMITED.

(Incorporated August 29th, 1907, under the Laws of Ontario.)

Head Office—Cobalt, Ontario.

Solicitor—M. J. O'Connor, 34 Victoria St. Toronto.

Directors—A. J. McGinnis, Monessen, Pa., President.

Authorized Capital—$200,000. Par value, $1.00. 35,000 shares in treasury.

Property—A patented claim in the 5th Concession of Coleman, in Portage Bay District.

Note.—Not in producing area.

Not working.

No market.

MONITOR COBALT PROSPECTING & DEVELOPMENT COMPANY, LIMITED.

(Name changed from Dominion Cobalt Prospecting and Development Company, Limited.)

Head Office—Toronto, Ontario.

Authorized Capital—$500,000. Par value, $1.00.

Note. We are informed, November 12th, 1909, by the company's solicitors, that the company is defunct.

THE MONTREAL COBALT MINING COMPANY, LIMITED.

(Incorporated March 14th, 1906, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Transfer Office—Ziba Gallagher, Toronto.

Directors—Ziba Gallagher, Toronto, President; W. Van Dusen, Vice-President; J. C. Cooling, Secretary Treasurer.

Authorized Capital—$500,000. Par value, $1.00. 410,000 shares issued.

Property—107 acres in Lot 12, Concession 3, Coleman.

Equipment—Steam plant.

Development—Shaft 100 feet deep with 200 feet of drifting.

Note.—This property is leased to J. Anderson, of Cobalt.

No important ore bodies have been located

Out of producing area.

No market.

MONTROSE COBALT MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

We are informed by the company's solicitors, August 26th, 1909, "This company has not yet filed a prospectus."

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MOUNT ROYAL CONSOLIDATED MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

The title of this company was changed March 15th, 1909, to Consolidated Silver Cobalt Mine, Limited.

THE NATIONAL COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated December 21st, 1906, under the Laws of Ontario.)

Head Office—Ottawa, Ontario.

Transfer Office—45 Queen St., Ottawa, Ont.

Directors—Alex. Gordon, President; J. W. Smith, Vice President; J. B. Watson, Secretary Treasurer; R. W. Gordon, George Gordon, P. D. E. Strickland, A. T. Mackie, Robert Booth, F. C. Mullins, C. J. R. Bethune.

Authorized Capital—$1,000,000. Par value, $1.00. 244,950 shares in treasury.

Property—W. ½ of the N. ½, Lot 9, Concession 4, Coleman.

Development—The company reports, October, 1909: "Nothing done this year."

Note.—Not in producing area. No market.

NELSON COBALT SILVER MINES, LIMITED.

(Incorporated October, 1909, under the Laws of Ontario.)

Head Office—Cobalt, Ont.

Directors.—J. P. Watson, Toronto, President; Murdoch McLeod, New Liskeard, Ont., Vice President; R. B. Herron, New Liskeard, Ont., Secretary Treasurer; R. T. Shillington, Haileybury, Ont.; J. A. Thompson, Toronto, Ont.

Authorized Capital—$750,000. Par value, $10. 300,000 shares in treasury.

Property. S.W. ¼ of S. ½, Lot 2, Concession 3, Coleman, 40 acres.

Formation—Keewatin.

Veins and Development—Five veins have been located by surface trenching. One shaft 38 feet deep, no values encountered. The company will thoroughly trench the property this fall.

Market. Put on the market by underwriters at 40c, October, 1909.

NEVADA EXPLORATION COMPANY.

(Organized under the Laws of the State of Maine.)

Financial Agents—Edw. E. Epps & Co., 11 19 William St., New York.

Directors—William R. Filor, New York City, President; Glent D. Borden, New York City, Vice-President; Gerald Stratton, 10 Wall St., New York, Secretary; E. C. Devereux, New York City, Treasurer; Irving K. Farrington, New York City; John Alley Parker, New York City; H. W. Baker, New York City; Edward E. Epps, New York City; P. B. Warner, Goldfield, Nevada, Mine Manager.

Transfer Agent—Corporation Trust Company, Jersey City, N.J.

Property—Owned 20 acres in South East Coleman, which they have since lost by default in assessment work.

NEW ONTARIO COBALT AND SILVER MINING COMPANY, LIMITED.

(Incorporated August 15, 1905, under the Laws of Ontario.)

Head Office—Ottawa, Ont.

Authorized Capital $1,000,000.

Note.—We are informed by the solicitor of the company that it has no property and is not doing business.

NEW YORK AND COBALT MINING COMPANY.

Head Office—43 Exchange Place, New York City.

Directors (in 1906)—James W. Geyer, New York, President; Carl T. Kuehler, New Rochelle, N.Y., Vice-President; Elmer J. Stouffer, New York, Secretary-Treasurer; Hon. Henry S. Clarke, New Rochelle, N.Y.; Wm. H. M'Vicar, Yonkers, N.Y.; Hartford Maginess, New York.

Authorized Capital—$1,000,000. Par value, $1.00.

Property—N. ½, Lot 1, Concession 5, Firstbrook, 160 acres.

Note.—Not in or near the producing area.

Not working.

No market.

NEW YORK COBALT SILVER MINES, LIMITED.

(Incorporated October 26th, 1906, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Solicitors—Clark, McPherson, Campbell & Jarvis, Toronto.

Directors—John I Thomson, Toronto; J. H Hoover, Toronto; Robert Rae, Toronto; W. J. Harris, Toronto; S. J. Pickering, Toronto.

Authorized Capital—$1,000,000. Par value, $1.00.

Note.—The company has no property and is not doing business.

NEW YORK ONTARIO EXPLORATION COMPANY.

(Incorporated May 15th, 1907, under the Laws of Ontario.)

Head Office—Bracebridge, Ontario.

Directors—R. R. Fogel, New York, President; D. Jankower, New York, Vice President; George Mahaffy, Secretary.

Authorized Capital—$1,000,000. Par value, $1.00. 400,000 shares in treasury.

Property—Several claims at Larder Lake and Cross Lake; 1 claim at Rabbit Lake; 2 claims, Tetapaga River; 1 claim in Otto Township; 1 claim, Mulligan Township.

Equipment—General mining outfit. As yet no power.

Development—A number of test pits and considerable trenching. The Cross Lake property is the only one in the Cobalt district.

No market

THE NIAGARA COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated October 16, 1907, under the Laws of Ontario.)

Head Office—Niagara Falls, Ont.

Transfer Office—Batavia, N.Y.

Directors—Chauncey S. Kiser, Batavia, N.Y., President; E. A. Chamberlin, Buffalo, N.Y., Vice-President; H. S. Kiser, Batavia, N.Y., Secretary-Treasurer; James H. Francis, Arcade, N.Y., John A. Krauss, Attica, N.Y.; C. E. Churchill, Arcade, N.Y.; Charles A. Williams, Batavia, N.Y.

Authorized Capital $750,000. Par value, $1.00. 425,000 shares in treasury.

Property—Two claims, patents for which have been applied for:

S. ½, S.E. ¼ of S. ½, Lot 14, Concession IV, Coleman, 20 acres.

N. ½, N.E. ¼ of N. ½, Lot 14, Concession III, Coleman, 20 acres. Total, 40 acres.

Equipment—Complete prospecting outfit.

Development—The company reports October 21, 1909: "Only trenching and test pits so far, but several good leads have been found and no doubt will sink on them this winter. At present six men are employed and working on the property."

Note.—Not in producing area. No market.

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NIPISSING FRACTION MINES, LIMITED.

Note. Incorporated January 17th, 1907, under the Laws of Ontario; charter cancelled February 13th, 1909.

THE NON-SUCH COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated May 1st, 1907, under the Laws of Ontario.)

Officers—J. H. McKnight, Toronto, President; M. J. Adams, Toronto, Treasurer; Robt. F. Segsworth, care Snelling & Segsworth, 103 Bay St., Toronto, Secretary.

Authorized Capital—$50,000. Par value, $1.00. 20,000 shares in treasury.

Property. Two patented 20 acre claims, being W. ½, N.E. ¼, N. ½, Lot 2, Concession 2, Coleman; E. ½, S.W. ¼, N. ½, Lot 1, Concession 2, Coleman.

Development—The Secretary gives the following information: "A shaft has been sunk on the property some 12 or 15 feet, which discloses a vein running in a south easterly direction containing calcite, smaltite and, I believe, some niccolite. The vein matter, I understand, is some 7 to 10 inches wide."

No market.

NORTH BAY COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated February 26, 1907, under the Laws of Ontario.)

Head Office- North Bay, Ontario.

Authorized Capital $300,000.

Note.—We are informed by the ex president that this company is defunct.

THE NORTH COBALT MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

From the Ontario Gazette:

Charter issued November 4th 1907.

Charter cancelled December 18th, 1907.

NORTH COBALT MINING COMPANY, LIMITED.

(Incorporated November 7, 1906, under the Laws of Ontario.)

Authorized Capital.— $50,000. Par value $1.00.

Directors—Fred A. Day, President; E. M. Little, Secretary.

Note.—The company was formed to purchase from Hugo von Hap a [illegible] N.E. part of the N. ½, of Lot 13, Concession I, Bucke. The deal was never consummated.

NORTHERN CONSOLIDATED COBALT MINES, LIMITED.

(Incorporated April 23, 1907, under the Laws of Ontario.)

Solicitors—Hartman & Smiley, New Liskeard, Ont.

Authorized Capital—$1,500,000. Par value, $1.00.

Note.—This company is defunct.

NORTHERN CUSTOMS CONCENTRATOR, LIMITED.

Authorized Capital—$250,000.

Directors—A. J. Young, Toronto, President; C. J. Booth, Ottawa, Vice President; A. T. Mackie, Pembroke; P. S. Hairston, Toronto.

Customs concentrating mill at Cobalt, Ont., treating ores of the Cobalt district.

The plant consists, in addition to the crushing machinery, of 55 stamps, including 2 Nissen 1,500 pound stamps, 10 tables, 10 vanners, and 12 canvas tables.

For description see first section of this volume.

NORTHERN DISCOVERY COMPANY, LIMITED.

(Incorporated April 10th, 1907, under the Laws of Ontario.)

Head Office—Bracebridge, Ontario.

Directors Montague Mahaffy, Cobalt, Ont., President; George Mahaffy, Secreta Treasurer.

Authorized Capital—$40,000. Par value, $1.00.

Property—2 claims on Cross Lake and a number of out lying properties.

Equipment Small hand working outfit.

Development—Trenching.

Not working

No market.

THE NORTHERN EXPLORATION COMPANY, LIMITED.

(Incorporated September 22, 1905, under the Laws of Ontario.)

Head Office.—1128 Traders Bank Building, Toronto.

Directors.—Alex. M. Hay, President; Lawrence J. Pashler, Secretary; George W Torrance, Stair Dick Lauder; Manager, H. H. Elfick, P.O. Box 157, Haileybury, Ont.

Authorized Capital $100,000. Par value, $1.00.

Note.—This company was organized to prospect for and develop mining properties in Canada. The company owns properties in Pontiac County, Quebec; in the Chibogomo District; a block of shares in the La Rose Consolidated Mines Company; and a large interest in the Gowganda Lake Mining Company.

THE O'CONNOR SILVER MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office. Cobalt, Ont.

Capital.—$500,000. Par value $1.00

Directors.—Albert O'Connor, Cobalt, Ont., President; Walter O'Connor, Cobalt, Ont., Vice-President; George Mitchell, Cobalt, Ont., Sec Treas.; William H. Jeffrey, Managing Director and Consulting Engineer, Mgr. Silver Cliff Mine, Cobalt, Ont.

Property. The E. $\frac{1}{2}$ of the N.W. $\frac{1}{4}$ of the N. $\frac{1}{2}$ of Lot 16, Concession 4, Township of Coleman. The W. $\frac{1}{2}$ of the N.E. $\frac{1}{4}$ of the N. $\frac{1}{2}$ of Lot 16, Concession 4, Township of Coleman. These claims adjoin each other and are located five miles west of Cobalt.

Development.—Shaft sunk 21 feet on a strong vein of calcite with some smaltite. The management expect to sink to 100 foot level. The vein has been traced 300 feet. Formation diabase.

Note.—Not in producing area. Working.

THE OHIO COBALT MINING COMPANY, LIMITED.

(Incorporated May 3, 1906, under the Laws of Ontario.)

Head Office.—Haileybury, Ont.

Authorized Capital. $60,000.

Note.—No further information obtainable.

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THE OHIO COBALT SYNDICATE.

(Incorporated under the Laws of Arizona.)

Head Office—1035 37 Schofield Bldg., Cleveland, Ohio.

Solicitors—Cook, Bond & Mitchell, Temple Building, Toronto, Ont

Directors C. A. Bingham, Cleveland, Ohio, President; Henry Jones, Cleveland, Ohio, Vice President; Chas. A. Sandals, Cleveland, Ohio, Secretary; H. D. Davis, Cleveland, Ohio, Treasurer; A. S. Griffin, Canton, Ohio; J. E. Carnahan, Canton, Ohio; J. G. Rommel, Canton, Ohio; J. A. Kendall, Cleveland, Ohio; W. A. Bonsor, Lorain, Ohio; E. C. Wakefield, North Bay, Ont.

Authorized Capital—$250,000. Par value, $1.00.

Property 40 acres being N.E. ¼ of N. ½, Lot 1, Concession 2, Coleman.

THE OLD CHAP MINING COMPANY, LIMITED.

(Incorporated Nov. 16, 1906, under the Laws of Ontario.)

Head Office—Cobalt, Ont.

Authorized Capital $1,000,000.

The company was wound up about two years ago; the property has since been acquired by the E. T. Mining Company, Limited.

ONTARIO BOSTON COBALT MINING COMPANY, LIMITED.

(Incorporated January 11th, 1907, under the Laws of Ontario.)

Head Office. Toronto, Ontario.

Authorized Capital.—$2,000,000.

Note.—This company is incorporated in the United States as "Boston Cobalt Mining Company." We are informed November 22, 1909, by the company's solicitor, that the company has not been engaged in active mining for some little time.

THE ONTARIO COBALT DEVELOPING COMPANY, LIMITED.

(Incorporated Dec. 20th, 1905, under the Laws of Ontario.)

Authorized Capital $350,000.

This company was amalgamated with the Union Pacific Cobalt Mines, Limited.

THE ONTARIO CONSOLIDATED MINES, LIMITED.

(Incorporated September 22nd, 1909, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Directors—James Watt, Toronto, President; Dr. R. T. Shiell, Toronto, Vice President; Charles B. Murray, 6 Colborne St., Toronto, Secretary-Treasurer; Charles W. Mitchell, Toronto; T. D. Wardlaw, Toronto; William M. McKinnon, Toronto.

Authorized Capital—$350,000. Par value, 25 cents.

Property—The company is about to acquire from Abraham Groves, of Fergus, Ont., the following: S.E. ¼ of S. ½, Lot 8, Concession II, Bucke.

Equipment.—All necessary camp buildings to accommodate 30 men.

Market: Offered to the public October 23rd, 1909, at 15 cents per share.

Note.—Not in the producing area.

ONTARIO DEVELOPMENT AND MINING COMPANY, LIMITED.

(Incorporated October 26th, 1908, under the Laws of Ontario.)

Head Office—Cobalt, Ontario.

Directors—Dr. Edward Quintard, President; W. Langdon Hayden, Vice President and Treasurer; C. S. Stiles, Secretary; George S. Hasbrouck, Philip Hasbrouck, George N. Miller, James F. McKernon, John F. Erdmann.

Authorized Capital—$500,000. Par value, $1.00. 107,764 shares in treasury.

Property—(1) Lot 1, Concessions 1 and 2, Coleman, 37½ acres; (2) Town Lot 338 in the City of Cobalt.

Title—First property patented. Second property held under 99 year lease from the T. and N. O. Commission.

Equipment—On property No. 1, 100 h.p. boiler; 3 drill Rand Compressor; 6 x 8 hoist.

Development—Building for power plant erected and machinery installed. Shaft sunk to 265-foot level; station cut at 155 foot level and 148 feet of drifting done at same level. Second station cut at 250-foot level and drifting at this level is now being commenced. About 20 acres of this property has been cleared during the past year.

No market.

ONTARIO DEVELOPMENT COMPANY, LIMITED.

(Incorporated June 6th, 1907, under the Laws of Ontario.)

Authorized Capital—$25,000.

This company went out of existence at the time the Ontario Development and Mining Company was formed, the latter company acquiring all their assets.

ONTARIO GOWGANDA COBALT CONSOLIDATED COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

The name has been changed to Bishop Silver Mines, Limited.

ONTARIO QUEBEC COBALT MINING COMPANY, LIMITED.

(Incorporated December 28, 1906, under the Laws of Ontario.)

Head Office—Care Day, Ferguson & O'Sullivan, 34 Victoria Street, Toronto.

Directors—J. A. C. Ethier, M.P., Scholastique, Que., President; J. A. Labrosse, St. Eugene, Ont., Secretary Treasurer and General Manager; George S. May, Ottawa, Ont.; A. Leblanc, Haileybury, Ont.; J. B. Latleur, Montreal, Que.; Dr. E. Corner, Ottawa, Ont.; James E. Day, Toronto.

Authorized Capital—$1,000,000. Par value, $1.00. 336,679 shares in treasury.

Property—S. ½ of N. ½, Lot 5, Concession 4, Bucke; W. ½, N.W. ¼, N. ½, Lot 15, Concession 4, Coleman; N.E. ¼, N. ½, Lot 8, Concession 2, Bucke; S.E. ¼, N. ½, Lot 5, Concession 4, Bucke.

Note.—On December 31st, 1906, this company took over the Ontario Quebec Cobalt Silver Mining Company, which owned the above properties.

The properties of this company are not in or near the producing area.

ONTARIO QUEBEC COBALT SILVER MINING COMPANY.

(Incorporated August 31, 1906, under the Laws of the Dominion of Canada.)

Directors—L. J. Labrosse, Managing Director.

Authorized Capital—$1,000,000. Par value, $5.00.

Property—The S. ½ of the N. ½ of Lot 5, Concession 4, Township of Bucke. The W. ½ of the N.W. ¼ of the N. ½ of Lot 15, Concession 4, Township of Coleman.

Note.—The company was taken over December 31st, 1906, by the Ontario Quebec Cobalt Mining Company (which see).

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OPHIR COBALT MINES LIMITED.

(Incorporated November 16, 1908, under the Laws of Ontario.)

Head Office and Mine—Cobalt, Ont.

Directors—H. H. Lang, Cobalt, Ont., President; B. W. Leyson, Cobalt, Ont., Vice-President; E. P. Rowe, Cobalt, Ont., Secretary-Treasurer; George Mitchell, Cobalt, Ont., James A. McVichie, Cobalt, Ont.

Authorized Capital.—$500,000. Par value $1.00. 110,000 shares in treasury.

Property.—20 acres, being E. ½, N.E. ¼, N½, Lot 2, Concession 2, Coleman. Patented.

Formation—Keewatin.

Equipment.—Six drill Sullivan compressor; one 100 h.p. boiler, buildings, etc.

Development.—Trenching has been done on the surface showing in all 7 veins of calcite and quartz, varying in width from 3 inches to 3 feet. No. 1 vein has been traced by trenching for a distance of 900 feet and shows a width of 3 to 6 inches. Valves were first encountered in the shaft at a depth of 80 feet, where bunches of high grade silver ore, assaying from 50 to 4,500 ounces of silver, were struck. From 83 to 100 feet the vein was much shattered. At the 100-foot level a station was cut and drifts were run north and south from the shaft. At the present time the shaft is down 160 feet and there is improvement in the vein, showing from 6 to 9 inches of calcite, niccolite and native silver.

Market, October 30, 1909, $1.00.

THE OTTAWA COBALT & SILVER MINING COMPANY, LIMITED.

(Incorporated Sept. 19, 1906, under the Laws of Ontario.)

Authorized Capital.—$250,000.

Note.—The company's solicitor reports, September 18th, 1909: "This company, some two years ago, sold out its holdings to the Union Pacific Cobalt Mines, Limited, and is no longer doing business."

OTTAWA PROSPECTING AND DEVELOPMENT COMPANY, LIMITED.

(Incorporated June 12th, 1907, under the Laws of Ontario.)

Head Office.—Haileybury, Ontario.

Solicitor.—Stephen A. Jones, Haileybury, Ontario.

Provisional Directors.—Arthur James Murphy, Cobalt, Ont.; James C. Ferguson, New Liskeard, Ont.; Melvin E. Weaver, Ottawa, Ont.; George A. Bremner, Cobalt, Ont.; Stephen A. Jones, Cobalt, Ont.

Authorized Capital.—$200,000. Par value, $1.00.

Note.—Can find no record of this company owning properties in the Cobalt district.

PAN SILVER MINING COMPANY, LIMITED.

(Incorporated Oct. 9, 1908 under the Laws of Ontario.)

Head Office.—Royal Bank Building, Toronto.

Transfer Agent.—The Trusts & Guarantee Company, Toronto.

Directors.—Burr E. Cartwright, Buffalo and Toronto, President; Norman R. Fisher, Cobalt, Ont., Vice-President; George A. Bagshaw, Haileybury, Ont.; R. A. Cartwright, Brockport, Pa.; Arthur G. Slaght, Haileybury, Ont., Solicitor; William J. Mooney, Haileybury, Ont., Secretary.

Authorized Capital.—$3,000,000. Par value $1.00. Treasury reserve 500,000 shares.

Property.—Six adjoining claims comprising in all 120 acres in Concession 3, Township of Coleman, south and west of the Temiskaming mine.

Formation.—Keewatin.

Equipment.—Complete plant.

Development No. 1 sunk 130 feet deep on calcite vein with some cobalt. Cross cuts at 100-foot line to No. 3 vein, which is a strong lead of calcite and cobalt. No. 2 shaft has been sunk 100 feet and connected with No. 1. A diamond drill is in operation. The property has some very strong veins, is in a good location and being under efficient management has good chances of developing rich ore bodies.

PENN COBALT MINING COMPANY, LIMITED.

(Incorporated December 19th, 1906, under the Laws of Ontario.)

Head Office—Care of Solicitors, Day, Ferguson & O'Sullivan, Toronto.

Authorized Capital—$500,000.

Note.—This company is out of existence. Property sold to Cobalt Eldorado Mines Company, Limited (which see).

PENNSYLVANIA COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated December 21st, 1906, under the Laws of Ontario.)

Authorized Capital—$1,000,000.

All the stock of this company was purchased on December 31st, 1908, by the Temiskaming Mining Company, Limited.

THE PHILADELPHIA COBALT MINING COMPANY.

(Incorporated under the Laws of the State of Maine.)

(Licensed in Ontario April 19th, 1907.)

Directors—H. B. Hanford, Philadelphia, Pa., President; James M. Fortier, Montreal, First Vice President; Eugene Carraine, Philadelphia, Second Vice President; Edwin Wallace, 323 The Kennard, 1008 Elm St., Manchester, N.H., Secretary Treasurer; James D. McDonald, G.T.R., Toronto, Director, etc.

Authorized Capital—$2,000,000. Par value, $1.00.

Property—Claimed to own Cobalt property and also 800 acres in Larder Lake country.

Note.—The property having been taken over by the Big Fissure Mining Company, this company is out of business.

PIONEER COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

Solicitor.—Reginald H. Parmenter, Toronto.

Title changed October 4th, 1909, to Prince Davis Cobalt Mining Company, Limited, (which see).

THE PLYMOUTH SILVER MINING COMPANY, LIMITED.

(Incorporated June 21st, 1909, under the Laws of Ontario.)

Head Office—Cobalt, Ontario.

Directors—J. J. Anderson, Cobalt, Ont., President; G. A. Dixon, Cobalt, Ont., Vice President; George Mitchell, Cobalt, Ont., Secretary; James Hylands, Cobalt, Ont., Treasurer.

Authorized Capital—$40,000. Par value, $1.00.

Property—S.W. ¼ of S. ½, Lot 1, Concession 2, Bucke; S.E. ¼ of S. ½, Lot 1, Concession 2, Bucke; S.E. ¼ of S. ½, Lot 1, Concession 2, Firstbrook; N. ½ of N.W. ¼ of S. ½, Lot 17, Concession 4, Coleman.

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Title—One claim ready to patent, the others are being worked with the object of getting patents.

Equipment—Prospecting outfit.

Development—Shafts have been sunk and considerable prospecting work done, showing up the veins.

THE PONTIAC SILVER MINING CO., LIMITED.

(Incorporated under the Laws of Ontario, 1908.)

Head Office—43 King St. W., Toronto.

Transfer Office—43 King St. W., Toronto.

Mines—Cobalt, Ont.

Directors—Clifford H. Moore, Cobalt, President; W. E. F. Paine, Toronto, Vice President; G. G. Mitchell, Toronto; Chas. E. Stevenson, Cobalt; H. P. Davis, Cobalt, Managing Director.

Authorized Capital—$1,000,000. Par value, $1.00. Issued, $750,000. Treasury $250,000.

Acreage—Flynn property, Township of Coleman, Cross Lake section, containing 22½ acres, adjoining the Silver Cross and Drummond Mines.

Plant—Small steel plant with horse and steam drills.

Buildings—Office building. Bunk house to accommodate 20 men.

Formation.—Keewatin and diabase.

Development—Eight veins have been found on the property, one of which comes high in silver values at the surface. Mr. Frank C. Loring in a report made by him to the company says of this vein: "This should develop into an extensive producer of valuable ore." Later in the report he says: "Vein No. 1 is a strong fissure carrying ore rich in silver; this should be developed by means of shafts and drifts and by further surface prospecting and should develop ore bodies of extent and value." A shaft has been sunk to a depth of 75 feet on this vein, and some drifting and cross cutting done at this level. So far no important ore bodies have been blocked out, but it seems certain that further development work will result in locating rich ore shoots in this vein. Seven other veins of promising nature have been found. No. 2 vein is a very strong fissure in the diabase formation and is heavily mineralized with cobalt. Cobalt bloom is found in the wall rock for several feet on each side of the vein.

Market Quotations, 1909: High, 30c; low, 28¾c; sales, 47,300 shares.

POWER CITY COBALT MINES COMPANY, LIMITED.

(Incorporated Sept. 7, 1907, under the Laws of Canada.)

Head Office—Toronto.

Transfer Office—North Tonawanda, N.Y.

Directors—J. F. Macpherson, 207 Paynes Ave., North Tonawanda, N.Y., President; Jason Johnston, Vice President; Lewis G. Brown, Secretary; Frank K. Suttey, Treasurer; Will H. Potter, John Lockman.

Authorized Capital—$1,000,000. Par value, $1.00. 500,000 shares in treasury.

Property—(1) 20 acres, being half of the E. ½ of the N.W. ¼ of the N. ½ of Lot 14, Concession 5, Coleman Township. Ready to patent.

(2) N.E. ¼ of N. ½ of Lot 2, Concession 10, Lorrain Township, 40 acres. Patented.

(3) S.W. ¼ of N. ½ of Lot 4, Concession 4, Bucke Township, 40 acres. Ready to patent.

Equipment—Complete mining plant equipped with steam, on Lorrain property. But the entire plant was burned down in June last. The machinery is being repaired in Cobalt preparatory to starting work this fall.

Development—Lorrain, 40 acres. Shaft No. 1 sunk 60 feet; shaft No. 2 ten feet, also about 4,000 yards trenching. Bucke, 40 acres, shaft 25 feet; 300 yards trenching. Coleman, shaft about 12 feet; 200 yards of trenching.

No market, Oct. 2nd, 1909.

PREMIER COBALT MINES.

Directors—William Wiggins, New York, President; D. Louis Schwartz, Madison, N.Y. Secretary Treasurer.

Authorized Capital—$1,000,000. Par value, $1.00.

Property—S.W. ¼, S. ½, Lot 2, Concession 2, Bucke.

Development—A shaft sunk 120 feet did not show any valuable ore.

Note.—No work has been done for some time.

PRIDE OF COBALT SILVER MINES, LIMITED.

(Incorporated August 2nd, 1907, under the Laws of Ontario.)

Directors—A. F. Lobb, Barrister, Toronto, President; Gen. Russell Thayer, Philadelphia Vice President; W. L. Whitehead, Toronto, Secretary; A. C. Neff, Toronto, Treasurer; H. C. Hocking, Toronto; Hon. J. N. Hancock, Dover, Delaware; E. C. Lufkin, Buffalo; Hon. I. N. Pettebone, Buffalo; H. F. Frankland, Toronto.

Authorized Capital—$5,000,000. Par value, $1.00.

We are informed: "This company's business was conducted in the States by George F. Shurtleff & Company, New York, Philadelphia, and Boston. They sold a considerable number of shares but failed to pay the owners of the properties which were to belong to the Pride of Cobalt Company. Their business shortly afterwards was broken up.

"The agreement with the owners of the properties was never carried out and consequently the company has ceased to operate. The directors of the company resigned immediately upon the failure of their United States agent to carry out their agreement."

PRINCE-DAVIS COBALT MINING COMPANY

(Incorporated September, 1909, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Directors—C. H. Bunker, Toronto, President; Strachan Johnston, Toronto, Secretary Treasurer; Frank Denton, K.C.; Earle H. Prince, Wm. L. Davis.

Capital—$1,500,000. Par value, $1.00. 500,000 shares in treasury.

Property—E. ½ of N.E. ¼ of N. ½, Lot 3, Concession 3, Coleman. Patented.

Formation—Keewatin, contact with diabase on north boundary.

Note.—This lot has been held for some years by a close corporation, controlled by Mr. Prince and Mr. Davis. Very little development work has been done.

The location and formation are distinctly favourable and thorough development has every prospect of proving important ore bodies. Active development will start immediately.

PRINCE RUPERT COBALT SILVER MINES, LIMITED.

(Incorporated Jan. 18, 1907, under the Laws of Ontario.)

Head Office—Cobalt, Ont.

Transfer Office—Trusts & Guarantee Company, King St. West, Toronto.

Directors—Murdoch McLeod, President; Daniel Clark, Vice President; George Ross, Secretary Treasurer; Harry Campbell, Neil R. Macdonald, G. H. Hunter, W. H. Cluff, J. S. Crawford.

Authorized Capital—$1,000,000. Par value, $1.00. 300,000 shares in treasury.

Property—A forty acre claim at the Western nose of Coleman, known as L. O. 3, immediately east of Trout Lake, Coleman.

Title—Leasehold.

Equipment—60 h.p. locomotive firebox boiler; 4 drill 12 inch compressor; 5 x 5 hoist.

Development—Shaft down about 40 feet and about 500 feet of stripping.

Inactive. No market.

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PROGRESS COBALT SILVER MINING COMPANY, LIMITED

(Incorporated September 19th, 1906, under the Laws of Ontario.)

Head Office—Cobalt, Ont.

Transfer Office—132 St. James St., Montreal, Que.

Directors—H. Wemer, President; M. Kock, Vice President; S. P. Myers, Secretary; G. Orban, Treasurer; B. Isaacs.

Authorized Capital—$500,000. Par value, $1.00. 80,000 shares in treasury.

Property—20 acres, being the E. ½ of the N.W. ¼ of the S. [illegible] of Lot 1, Concession [illegible], Township of Coleman. Patented.

Equipment—Small steam plant.

Development—1 shaft 100 feet; drift 125 feet; 2nd shaft 25 feet, drift 30 feet. Working.

Note.—The location is favourable.

Market—Oct. 2nd, 1909—a 7 1/2c.

THE PROSPECT DEVELOPMENT COMPANY.

(Incorporated under the Laws of Ontario.)

Directors.—J. C. Armstrong, Toronto, President; W. J. Sutherland, Cobalt, Ont., Vice President; J. McL. Watt, Cobalt, Ont., Secretary; C. H. Hoole, Cobalt, Ont., Treasurer; George Stephenson, Cobalt, Ont.; W. A. Tweed, Cobalt, Ont.

Authorized Capital.—$500,000. Par value $1.00.

Note.—No recent information obtainable. In a prospectus issued April, 1907, the company claims to have owned 120 acres in Larder Lake, 220 acres in Smyth Township, and 40 acres in Coleman. The Larder Lake and Coleman properties are not in productive area. The prospectus does not state the location of the Smyth property.

THE PROSPECT DEVELOPING AND MINING COMPANY, LIMITED.

(Incorporated May 22nd, 1907, under the Laws of Ontario.)

Head Office—Cobalt, Ont.

Directors—W. J. Sutherland, Cobalt, Ont., President; George Stevenson, Cobalt, Ont., Vice President; S. O. Austin, Cobalt, Ont., Secretary Treasurer; George Barber, Cobalt, Ont.; S. R. Cragg, Cobalt, Ont.; Frank Westcott, Cobalt, Ont.; Osborne Baker, Sarnia, Ont.; Fred Cramp, Cobalt, Ont.

Authorized Capital—$1,000,000. Par value, $1.00. 400,000 shares in treasury.

Property—E. ½, N.E. ¼ of N. ½, Lot 1, Concession 5, Coleman; W. ½ of S. ½ of Lot 8, Concession 1, Smyth; S.W. ¼ of N. ½ of Lot 8, Concession 1, Smyth; S.E. ¼ of S. ½ of Lot 6, Concession 1, Smyth; S.W. ¼ of S. ½ of Lot 5, Concession 1, Smyth; N.E. ¼ of N. ½ of Lot 7, Concession 1, Smyth; N.E. ¼ of N. ½ of Lot 8, Concession 1, James.

Three 40 acre claims south of Larder Lake in the Township of Hearst.

Note.—These claims are all unpatented and no work has been done during 1909. The Coleman property is out of the productive area.

No market.

PROVINCIAL MINE.

Location—In Gillies Limit, on T. & N.O.R.R., Kerr Lake Branch.

The work at the mine shows the following development: The shaft has been sunk 150 feet with the levels at 65 feet and 125 feet respectively. The shaft is timbered for its entire depth with square sets and the hoistway provided with guides for cage.

On the first level 450 feet of drifting has been done and 70 feet of cross cutting. A raise has also been put through to the surface 50 feet east of the shaft on the vein, timbers put in and stoping begun for 90 feet along the vein.

On the second level at 125 feet in depth, 125 feet of drifting and cross-cutting has been done and a raise to the first level begun.

Surface Plant. At the mine, buildings have been erected consisting of boiler house, 32 x 50 feet; bunk house, two stories, 20 x 50 feet; dining room, office, ore house, blacksmith shop and shaft house.

The machinery installed consists of a 100 h.p. return tubular Jenckes boiler, the high pressure half of a Rand air compressor developing 500 cubic feet of free air per minute (the concrete foundation for the complete compressor has been put in), and a 7 x 10 inch Jenckes hoist. In the mine a Worthington pump has been placed on the first level, and a Cameron sinking pump on the second level. Five air drills have been purchased.

Sold to F. M. Connell, of Haileybury, for $113,000, early in September, 1909.

(From Report of Bureau of Mines, 1909.)

QUAKER CITY COBALT MINES, LIMITED.

(Incorporated March 18, 1908, under the Laws of Ontario.)

Head Office. Haileybury, Ont.

Philadelphia Office. 238 to 242 Mint Arcade Building.

Directors.—Edward H. Cloud, Philadelphia, Pa., President; John W. Ford, Haileybury, Ont., Vice President; John R. Wiggins, Philadelphia, Pa., Treasurer; Chas. S. Wood, Philadelphia, Pa., Secretary.

Authorised Capital. $1,000,000. Par value $1.00. 325,000 shares in treasury.

Property. S.E. ¼ of N. ½, Lot 1, Concession 3, Coleman, patented.

Equipment. Boiler, hoist and steam drill.

Development. During 1909, shaft 143 feet deep in Keewatin formation, with 92 feet of drifting at the 110 foot level.

Formation. Keewatin and granite. The granite is not productive in the Cobalt district.

QUEEN ALEXANDRA MINING COMPANY, LIMITED.

(Incorporated March 22nd, 1907, under the Laws of Ontario.)

Head Office. Toronto, Ontario.

Authorized Capital—$1,000,000. Par value, $1.00.

Property—S.W. ½ of S. ½ of Lot 2, Concession 6, Coleman, containing 40 acres, 26 of which are under the bed of Cross Lake.

Note. The property has been taken over by the Silver Lode Mining Company (which see).

RAILWAY RESERVE MINES, LIMITED.

(Incorporated January 4th, 1907, under the Laws of Ontario.)

Head Office. Ottawa, Ont.

Directors. George B. Ferguson, Renfrew, Ont., President; George L. Orme, Ottawa, Ont., Vice President; Thomas W. McGarry, Renfrew, Ont.; Daniel E. Johnson, Ottawa, Ont.; William Joseph B. B. Sallows, Ont.; T. Arthur Beament, Ottawa, Ont.

Authorized Capital. $1,000,000. Par value, $1.00.

Property—Mining rights over 45 feet on each side of the Right-of-Way of T. & N.O.R.R. for a distance of 12 miles, extending north and south of the station grounds at Cobalt.

Development.—Considerable trenching has been done but as no values were located work was practically abandoned.

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RED JACKET SILVER MINES, LIMITED.

(Incorporated November 12, 1908, under the Laws of Ontario.)

Head Office and Transfer Office—58 Wellington Street East, Toronto.

Directors—Burr E. Cartwright, Haileybury, Ont., President; Geo. L. Pratt, Buffalo, N.Y., Vice President; Alexander Fasken, Toronto, Ont., Secretary; John W. Ford, Haileybury, Ont., Treasurer; E. W. B. Morrison, Ottawa, Ont.

Authorized Capital—$1,250,000. Par value, $1.00.

Property—Parcels 3825 and 3776, being parts of Lot No. 8, in the 4th Concession of the Township of Coleman, containing 27 acres, more or less.

Title.—Certificates under the Land Titles Act.

Formation—Conglomerate.

Equipment—Complete equipment.

Development—Shaft sunk on calcite vein to 125 foot level with no values. A drift to the east on this vein 150 feet from the shaft has encountered an ore shoot rich in silver.

The property is under the direction of Mr. N. R. Fisher, manager of the Temiskaming Mine; the prospects are favourable for developing a producing mine.

Stock closely held.

RED ROCK SILVER MINING COMPANY, LIMITED.

(Incorporated March 2nd, 1906, under the Laws of Ontario.)

Authorized Capital—$1,000,000. Par value, $1.00.

Development.—Shaft 110 feet deep with 300 feet of drifting at the 110 foot level. In this drifting a rich pay shoot 16 feet long was encountered. A winze was sunk 35 feet from this level on the ore shoot. About $20,000 of ore was produced and shipped.

Note.—This company went into liquidation in the fall of 1907. The assets were purchased by Mr. Frank Chapin for $26,500. The property was later sold to the Consolidated Silver Cobalt Mines, Limited, for 700,000 shares of stock in that company.

For development during 1909, see Consolidated Silver Mines, Limited.

THE ROCHESTER COBALT MINES, LIMITED.

(Incorporated October 29th, 1906, under the Laws of Ontario.)

Head Office—15 Toronto Street, Toronto.

Transfer Agent and Registrar.—The Trusts and Guarantee Company, Limited, Toronto.

Directors—N. Stone Scott, President; John Poucher, Vice President; David Carlyle, Secretary Treasurer; Geo. G. Sowden, Howard Williams, H. St. Clare Fisher, J. H. McKnight.

Consulting Engineer—B. W. Leyson.

Mine Manager—Anson M. Carroll.

Authorized Capital—$1,500,000. Par value, $1.00.

A by law was passed on September 27th, 1909, and later approved by the Ontario Government, authorizing the increase of the Capital Stock of the company from $1,000,000 to $1,500,000. Each shareholder was entitled to take one share of the new issue for every two held; 403,396 shares were taken up at ten cents a share, leaving the treasury with funds for development work and a reserve of 96,604 shares.

Property—41 acres, being (1) N.W. ¼ of N. ½, Lot 2, Concession 3, Coleman; and (2) a fraction of the S.W. ¼ of N. ½, Lot 3, Concession 3, Coleman.

Formation—Lot No. 1 is Keewatin with contact in the north west corner with diabase. Lot. No. 2 is entirely in the Keewatin formation.

Equipment.—Suitable accommodation for 50 men, office, manager's residence, compressor, hoist, 100 h.p. boiler, pump and necessary buildings.

Development.—The No. 1 property has been developed by a main shaft sunk to a depth of 165 feet with levels at 33, 75 and 153 feet. There is 45 feet of drifting at the first level, 210 feet of drifting and cross cutting at the second level, and 173 feet of drifting and cross cutting at the third level.

Work on this property was discontinued from August 25th to October 8th of this year. At the latter date a crew of men was put to work surface trenching. On November 23rd, 3,000 feet of trenching had been done, exposing three new veins and several smaller stringers. The first of these veins was found 132 feet west of the shaft and shows an average width of 7 inches of calcite. The second vein discovered was directly south of the first vein about 125 feet distant. The third vein was found 300 feet south and 70 feet west of the shaft and from the point of discovery for about 50 feet averaged 5 inches in width, showing in places very high grade silver ore. At the south end the silver showing in the vein is broken up into small stringers. A total length of 125 feet has been discovered. A shaft will be sunk on this vein at once and a station cut at 175 feet.

Thirty four men are at present employed on the property under the direction of Mr. A. M. Carroll, mine manager.

The development work done in the main workings resulted in the production of a small quantity of fairly good ore. No important ore bodies, however, were blocked out. The surface of the property has not yet been thoroughly prospected. With further development there is a very good chance that the Rochester will become an important factor in the silver production of the district.

Market—16¾ to 18, November 24th, 1909.

STATEMENT.

Liabilities.

Capital Stock		$1,500,000.00
Wages Unpaid (Oct.)	$709.07	
Taxes Unpaid	26.50	
Accounts payable	338.52	
		1,074.09
		$1,501,074.09

Assets

Property		$999,994.00
Buildings, Machinery and Camp Equipment		15,071.17
Development	37,784.41	
General Expense	10,103.17	
		47,887.58
Insurance Unexpired		169.00
Inventory		78.00
Imperial Bank, Savings	$35,000.00	
" " Toronto	2,593.70	
" " Cobalt	1,794.59	
Bank of Commerce, Cobalt	3.63	
" " Toronto	.86	
Cash on hand, Toronto $50.00		
" " " Cobalt 137.00		
	187.00	
	$39,578.19	
Treasury stock unsold	96,036.00	
		135,614.19
		$1,198,813.94
Contingent Account Discount on Stock sold		302,260.15
		$501,074.09

ROCHESTER MINING COMPANY, LIMITED.

(Incorporated September 24th, 1906, under the Laws of Ontario.)

The company's solicitor reports, September 8th, 1909: "A charter was granted to this company but the company was never organized."

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THE ROSE GOLD AND SILVER MINING COMPANY, LIMITED.

(Incorporated October 23rd 1908, under the Laws of Ontario.)

Head Office—142 Rideau Street, Ottawa, Ont.

Solicitors—Culbert and Carss, Ottawa, Ont.

Directors—Major A. T. Shillington, M.D., Ottawa, Ont., President; W. C. Naubert, Sherbrooke, Que., Vice-President; L. H. Morisset, Ottawa, Ont., Secretary-Treasurer; L. C. Morisset, Ottawa, Ont., Managing Director; Hon. Dr. P. Pelletier, Sherbrooke, Que.; Ernest Roy, Quebec, Que.; D. Wallace, M.D., Metcalfe, Ont.; O. Guibord, Clarence Creek, Ont.; Dr. P. H. Bedard, Quebec, Que.; J. A. E. Audet, St. Anselme, Que.; N. H. Asselin, Montreal, Que.; W. J. Guillot, Quebec, Que.

Authorized Capital $1,500,000. Par va[illegible] hares in treasury

Properties—Coleman properties, 80 acre

The W. ½ of the S.E. ¼ of the N. ½ of [illegible] 12, Co[illegible] IV., Township of Coleman.

The W. ½ of the N. ½ of Lot 12, Concession 4, Town[illegible] of Coleman.

The W. ½ of the S.W. ¼ of the N. ½ of Lot 18, Concession V, Township of Coleman.

Larder Lake properties

Six mining claims of 40 acres each, being mining claims Nos. L. 509, 2855, 2856, 2857, H.S. 180 and H.J.B. 1.

Elk Lake Properties-

Two mining claims, being Nos. M.R. 4177 and M.R. 721.

Development—The Secretary reports, October 1st, 1909: "Most of the claims have enough work done on them to be patented."

Note.—The Coleman properties are out of the producing area.

No market, Oct. 2nd, 1909.

THE ROSEHILL SILVER MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

Property lying dormant. No stock for sale. A private corporation.

ROSS COBALT SILVER MINES COMPANY, LIMITED.

(Incorporated November 21st, 1906, under the Laws of Ontario.)

Head Office—Care of Philip O'Reilly, Carleton Chambers, 74 Spark Street, Ottawa.

Directors—George R. Lyon, President, Ottawa; J. H. Chisholm, Secretary-Treasurer, Ottawa; Dr. J. T. Basken, Ottawa; J. W. Martin, Ottawa; W. J. Cole, Ottawa.

Authorized Capital—$1,500,000. Shares in treasury. $500,000.

Property—A 40 acre patented claim in Lot 9, Concession 5, Coleman.

Information—So far no work has been done, but the company expects to start work shortly with a small steam plant to develop three veins which are reported to give small assays of silver.

No market, October 2nd, 1909.

THE ROTHSCHILD COBALT COMPANY, LIMITED.

(Incorporated September 22, 1905, under the Laws of Ontario.)

Head Office.—Haileybury, Ontario.

Solicitors.—Hearst, McKay & Darling, Sault Ste Marie, Ont.

Directors.—C. A. McCool, M.P., Ottawa, Ont., President; M. Rothschild, Haileybury, Ont., Vice-President; H. J. M. Rothschild, New Liskeard, Ont., Secretary; Sen. G. T. Baird, New Brunswick; A. J. Young, North Bay, Ont.; S. Greenwood, New Liskeard, Ont.

Authorized Capital—$500,000. Par value $1.00.

Property.—N.W. ¼ of N. ½, Lot 3, Concession 3, Coleman.

Note.—This company in May, 1909, sold its property to Dreadnought Mines, Limited, (which see).

RUBY SILVER MINING AND DEVELOPMENT COMPANY, LIMITED.

(Incorporated November 21st, 1906, under the Laws of Ontario.)

Head Office—Hamilton, Ontario.

Directors—J. M. Peregrine, Hamilton, Ont., President; Dr. Beatty, Montreal, Que., Vice-President; O. W. Donner, P.O. Box 222, Montreal, Secretary-Treasurer; G. R. Lloyd, Hamilton, Ont.; R. K. Hope, Hamilton, Ont.; H. S. Lees, Hamilton, Ont.; M. B. Atkinson, Montreal, Que.; J. W. McConnell, Montreal, Que.

Authorized Capital—$500,000. Par value, $1.00. 100,000 shares in treasury.

Location—N.E. ¼ of S. ½, Lot 13, Concession 1, Bucke, 40 acres.

Title—Clear and perfect.

Equipment—Two-storey bunk house, office, blacksmith shop, ore house, machine building, containing 25 h.p. boiler, with necessary steam drills, derrick, etc.

Development—Shaft 56 feet deep, double compartment width, and 20 feet drifting.

Note.—The property was only worked for six months in 1907, when operations were stopped because the promoters did not pay the balance of their obligation ($15,000 into the treasury. The company compromised with the promoters and accepted from them 128,000 shares of unsold stock, which are held in trust for the benefit of the company. At present there are about 100,000 of these shares on hand.

The company has no debts and a small cash balance of $800 on hand. Yearly expenses amount to about $200 per annum, being taxes, fire insurance, and watchman fees.

There are about 6 tons of ore in the ore house, secured from development work, and a very strong calcite vein is visible in the shaft.

In the opinion of the management: "It would require sinking to 125 to 150 feet before good values could be expected; this was demonstrated at our neighbour's, the North Cobalt, who are working in the same formation and got rich ore at that depth."

SASAGINAGA MINING COMPANY, LIMITED.

(Incorporated June 8, 1906, under the Laws of Ontario.)

Head Office.—Cobalt, Ontario.

Directors.—H. H. Lang, Cobalt, Ont.; William R. Graham, Cobalt, Ont.

Authorized Capital.—$250,000. Par value $1.00.

Note.—Not working.

THE SAVAGE MINE OF COBALT, LIMITED.

(Incorporated March 1st, 1907, under the Laws of Ontario.)

Authorized Capital—$500,000.

This company now forms part of the McKinley Darragh Savage Mines of Cobalt, Limited.

SHAMROCK SILVER COMPANY, LIMITED.

(Incorporated March 1st, 1907, under the Laws of Ontario.)

Directors—Jacob A. Jacobs, Montreal, President; Mortimer B. Davis, Montreal, Vice-President; Felix Lewis, Montreal, Secretary-Treasurer; Alec. M. Bilsky, Cobalt, Ont.; Dr. Hugo Lieber, New York City.

Authorized Capital—$3,000,000. Par value, $1.00. Treasury stock reserved for development, $500,000.

Note.—The company was organized in March, 1907, with a capital of one million dollars, and in October, 1908, the capital was increased to three million dollars. All the shares were issued for the property, 500,000 of which were set aside for development purposes.

Property—Consists or 20 acres, W. ½ of S.W. ¼ of S. ½ of Lot 1, Concession 4, Township of Coleman, patented; and 40 acres under a lease from the Davis Silver Cobalt Mines,

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Limited, of New York. The lease is on a royalty basis of 25 per cent. and runs for five years, from 1908. The company has 60 acres under development.

Development—No. 1.—During 1907, the 20 acre property was thoroughly trenched on the surface and a shaft sunk on a calcite vein to a depth of 90 feet. The appearance of the vein at that depth did not warrant sinking further; it was, therefore, decided to prospect with a diamond drill. The diamond drill work was satisfactory, and a boiler house, shaft house, bunk houses, office, stables, etc., were built, and three drill compressor installed. The present shaft was continued down to 105 feet and a cross-cut run 128 feet to tap the diamond drill hole at a depth of about 120 feet. A good cobalt lead has been located but no important ore body. The shaft has been continued to the 200 foot level and drifted on 4 feet at this level where a strong cobalt lead has been developed, carrying 40 to 120 ounces of silver.

No. 2.—Since August, 1908, when the 40-acre lease came into effect, this lot has been carefully trenched and several promising veins have been opened up. A shaft has been sunk 110 feet where a cross-cut is being run to a very strong lead of calcite cobalt and galena, which has shown silver assays as high as 154 ounces.

Market, October 2nd, 1909, .20-.25.

SHARPE LAKE COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated December 28, 1906, under the Laws of Ontario.)

Head Office.—Cobalt, Ontario.

Transfer Office.—Cobalt, Ontario.

Directors.—Joseph E. Murphy, President; J. J. Anderson, Vice President; Charles Schoephlin, Secy-Treasurer.

Authorized Capital.—$1,000,000. Par value, $1.00. 400,000 shares in treasury.

Property.—N. E. ¼, N. ½, Lot 1, Concession 2, Bucke.

Title.—All assessment work has been performed. Patent will be applied for this fall.

Development.—About 500 feet of stripping and trenching has been done, also two test pits about 10 feet deep on well-defined calcite veins carrying smaltite and small silver assays.

Formation.—Diabase.

Note.—Not in producing area.

SHARPE LAKE MINES, LIMITED.

(Incorporated May, 1908, under the Laws of Ontario.)

Head Office.—Haileybury, Ontario.

Transfer Office.—Detroit, Mich., U.S.A.

Directors.—J. K. Gailey, President; J. C. Hasse, Vice President; E. R. Hasse, Secy Treasurer; L. A. Thomas; C. M. Holley.

Authorized Capital.—$120,000. Par value, $1.00.

Property.—120 acres in Bucke Township, head of Sharpe Lake. 80 acres in South Lorrain.

Equipment.—Boiler,hoist, engine, compressor, drills, electric light plant, saws, etc., 5 buildings.

Development.—Shaft at Sharpe Lake 75 feet. Shaft in South Lorrain 70 feet, still working.

THE SILBERT CONSOLIDATED MINING COMPANY, LIMITED.

(Incorporated March 1st, 1907, under the Laws of Ontario.)

The company is a consolidarion of the Silver City Mining Company, Limited, and the Albert Mining Company, Limited.

Head Office—20 King Street East, Toronto.

Directors—George Stevenson, President; J. P. Murray, Vice-President; R. E. McIntosh, H. H. Clark, A. J. Pollock; J. Lewis, Secretary, 623 Traders Bank Building, Toronto

Authorized Capital—$2,000,000. Par value, $1.00.

Property N.E. 40 acres of Lot 9, Concession 5, in the Township of Coleman.

Title Freehold.

Equipment None.

Development One shaft 80 feet, and four others of various depths. A large amount of surface work.

Note.—Not being worked, September, 1909.

Market, October 2nd, 1909, offered at .03.

SILVERADO COBALT MINING COMPANY, LIMITED.

(Incorporated December 7, 1906, under the Laws of Ontario.)

Head Office.—Cobalt, Ontario.

Directors.—P. J. Finlan, Cobalt, Ont., President; H. H. Lang, Cobalt, Ont., Vice President; H. Wallace, Cobalt Ont., Secy-Treasurer; W. R. Rodd; A. T. Rowell; J. A. Moore.

Authorized Capital. $1,500,000. Par value $1.00. 500,000 shares in treasury.

Property.—N. ½, Lot 5, Concession 2, Bucke, 160 acres.

Title.—Certificate of ownership.

Equipment.—Bunk house.

Development.—Extensive trenching done in 1908 showing some 8 or 10 good looking veins. No work done since.

SILVER ANGLE.

Office.—c/o Wm. Brown Lord, 27 Pine Street, New York.

Note.—A close corporation owning four 40 acre claims; N.E. and N.W. ¼'s of N. ½, Lot 11, Concession 2, Bucke. S.E. ¼ of N. ½, Lot 11, Concession 2, Bucke. N.E. ¼ of S. ½, Lot 11, Concession 2, Bucke.

THE SILVER BELL MINING COMPANY, LIMITED.

(Incorporated April 6th, 1906, under the Laws of Ontario.)

Head Office—North Bay, Ontario.

Authorized Capital—$250,000.

Note.—The solicitors report, December 6th, 1909: "This company is not now doing business. No stock has been sold, and we doubt whether the charter is still alive."

SILVER BELT COBALT MINING COMPANY, LIMITED.

(Incorporated April 10th, 1907, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Solicitors—Lennox & Lennox, Toronto.

Directors—Edward J. Meyer, Buffalo, N.Y., President; Conrade E. Wettlaufer, Buffalo, N.Y., Vice-President; Charles S. Cadwalder, Buffalo, N. Y., Secretary; Frank L. Bapst, Buffalo, N.Y., Treasurer; R. B. Waite; Wesley C. Dudley, barrister, 574 Ellicott Sq., Buffalo, N.Y.

Authorized Capital—$1,500,000. Par value, $1.00.

Property—S. ½, Lot 7, Concession 2, Bucke, 160 acres.

Equipment—None.

Development—Not working.

Note.—Outside productive area. No market.

THE SILVER BIRD COBALT MINES, LIMITED.

(Incorporated January 31st, 1907, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Solicitors—Lennox & Lennox, Toronto.

Directors—R. H. C. Brown, Toronto, President; Charles E. Russell, 1202 Michigan Ave.,

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La Porte, Ind., Vice President; D. A. Rose, 207, 116 Bay St., Toronto, Secretary; M. King, Lima, Ohio.

Authorized Capital—$1,500,000. Par value, $1.00.

Location of Property—W. ½, N.E. ¼, N. ½, Lot 3, Concession 6, Coleman, 20 acres.

Equipment—Small plant.

Note. The property has been leased for five years to S. D. Madden, of Cobalt, the company to get 25 per cent. of the net earnings. Work with diamond drill just starting. The Silver Bird is one of the most notorious of the Cobalt wild cats. There is no rock exposure on the property, and while the diamond drilling may possibly locate ore the result is very doubtful.

No market.

THE SILVER CIRCLE MINING COMPANY, LIMITED.

(Incorporated May 24th, 1907, under the Laws of Ontario.)

Authorized Capital—$500,000.

Note. This company has been superseded by the Chambers-Ferland Mining Company, Limited.

THE SILVER CITY MINING COMPANY, LIMITED.

(Incorporated March 21st, 1906, under the Laws of Ontario.)

Authorized Capital—$350,000.

This company is now comprised in the amalgamation known as the Silbert Consolidated Mining Company, Limited (which see).

THE SILVER CLIFF MINING COMPANY, LIMITED.

(Incorporated April 17th, 1906, under the Laws of Ontario.)

Head Office—Ottawa, Ont.

Directors—A. R. Peacock, Pittsburg, Pa., President; John J. Moon, Buffalo, N.Y., Vice President, A. H. Eames, Pittsburg, Pa., Sec.-Treas.; Rolph E. Clerison, Pittsburg, Pa.; Clarence Peacock, Pittsburg, Pa.; Wm. M. Bailey, Pittsburg, Pa.; A. W. Fraser, K.C., Ottawa, Ont.; W. H. Jeffery, General Manager, Cobalt, Ont.

Authorized Capital—$2,000,000. Par value, $1.00.

Property—The S.E. ¼ of the S. ½ of Lot 3, Concession 6, Township of Coleman.

Formation—Diabase.

Veins and Development—Over 2,000 feet of underground development work has been done and 11 veins have been found. Nos. 1, 2, and 3 have been located on the adit level by cross-cuts. 500 feet of drifting has been done on No. 1; 320 feet on No. 2, and 110 feet on No. 3; some stoping has been done on all three veins.

A winze 38 feet deep has been sunk at the adit level at a point where Nos. 1, 2 and 3 veins intersect. Good silver values are shown in all three veins in the winze, and from 3 to 8 feet of milling ore shot with native (leaf) silver, argentite, and ruby silver.

The company estimate 6,000 tons of milling ore on the dump, 1,000 tons mined in stopes, and a very large tonnage unmined above the adit level.

It is the intention of the manager to start sinking at once. So far no work has been done below the adit level, excepting the above mentioned winze. This property has been worked spasmodically for some years. On June 16th, 1909, the property came into the hands of the present owners, Capt. W. H. Jeffrey was made manager, and active work inaugurated. A small quantity of very rich ore has been produced.

The silver values are largely in the wall rock, which is shot in places with heavy leaf silver.

A hundred ton concentrator is being built. Air will be obtained from the Hydraulic Power Co.

SILVER CROSS COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

This company was dissolved on April 30th, 1907.

SILVER CROSS COBALT MINING COMPANY, LIMITED.

(Incorporated March 27th, 1907, under the Laws of Ontario.)

Head Office Ottawa, Ont.

Authorized Capital—$500,000. Par value, $1.00. Increased July 23rd, 1909, to $1,000,000. Par value, $1.00.

Note.—Title changed July 23rd, 1909, to Silver Cross Mines, Limited.

SILVER CROSS MINES, LIMITED.

(Incorporated July 23rd, 1909, under the Laws of Ontario.)

Head Office—Ottawa, Ont.

Directors—Louis B. Jennings, Montreal, President; Prof. J. L. Danziger, B.Sc., Montreal, Vice-President; J. M. Lough, Ottawa, Secretary Treasurer; Fred Tuck, G. A. Mooney, S. K. Behrend, G. A. Burgess.

Authorized Capital.—$1,000,000. Par value, $1.00. 300,000 shares in treasury.

Property—S.E. $\frac{1}{4}$ of S. $\frac{1}{2}$ of Lot 2, Concession 5, Coleman Township.

Title—Crown Patent.

Equipment.—12 x 18 class C 3 drill Rand compressor; 60 h.p. boiler, Jenckes hoist, etc.

Development—Shaft 100 feet (now sinking to 200 ft. level) 200 feet drifting and cross-cutting at 67 foot level

Note.—Formation Keewatin overlying diabase. Some strong leads of calcite and cobalt. It has good prospects of developing valuable ore bodies.

Market, October 2nd, 1909, 15—21.

SILVER CROSS MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

Authorized Capital.—Was increased July 23, 1909, from $500,000, to $1,000,000. Par value $1.00.

The name of the company was changed to Silver Cross Mines, Limited.

SILVER CROWN MINING COMPANY.

(Incorporated May 3rd, 1906, under the Laws of Ontario.)

Head Office—North Bay, Ont.

Authorized Capital—$500,000. Par value, $1.00.

Note.—No record of this company ever owning property in Cobalt district.

THE SILVER FIELD (COBALT) MINING COMPANY, LIMITED.

(Incorporated January 4, 1907, under the Laws of Ontario.)

Head Office. Toronto, Ontario.

Solicitors.—Macdonell, McMaster & Geary, Toronto.

Authorized Capital.—$200,000. Par value $1.00.

Property.—S. $\frac{1}{2}$ of N. $\frac{1}{4}$ of S. $\frac{1}{2}$, Lot 14, Concession 4, Coleman, 20 acres.

Development.—Stripping and trenching located a number of calcite leads with no important silver values.

Property not in producing area.

No market.

THE SILVER HEELS MINING COMPANY, LIMITED.

(Incorporated January 16, 1907, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Directors—R. R. Gamey, M.P., 36 Toronto St., Toronto, President; J. A. Macdonald, Toronto, Vice President; W. J. Treemecar, Janes Building, Yonge St., Toronto, Secretary Treasurer; W. W. Taberner, Toronto; R. H. C. Brown, Toronto.

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Authorized Capital—$500,000. Par value, $1.00.

Property.—Part of N.W. ¼ of S. ½, Lot 7, Concession 6, Coleman, on Sasaginaga Lake.

Note. No work has been done on this property for some time.

No market.

THE SILVER HILL MINING COMPANY, LIMITED.

(Incorporated October 4th, 1905, under the Laws of Ontario.)

Authorized Capital $50,000.

This company is merged in the La Rose Consolidated Mines, Limited.

SILVER LEDGE, LIMITED.

(Incorporated April 24, 1906, under the Laws of Ontario.)

Head Office.—Toronto, Ontario.

Directors. Thomas W. Horn, Toronto, President; Digby Grimsten, Cobalt, Ont., Sec'y Treasurer; Charles C. Harris, Toronto, Ont.

Authorized Capital.—$20,000. Par value $10.00.

Property.—W. ½ of the S. ½, Lot 3, Concession 2, Bucke, 80 acres.

Note.—The list of officers was obtained from the annual report of the company for Dec. 31, 1906, filed in the Provincial Secretary's office. No further information obtainable.

SILVER SQUARE MINES.

(Organized under the Laws of the State of Maine.)

Solicitors.—Griggs, Baldwin & Pierce, 27 Pine St., New York.

Directors.—Wm. Brown Lord, President; Otto Geirner, Vice-President; A. M. A. Richardson, Secretary; Lenox Smith, Treasurer; D. D. Borden; Joseph Everett; Mark W. Potter.

Authorized Capital. $2,500,000. Par value $1.00.

Note.—This company owns the Silver Square Mining Company, Limited, of Ontario (which see).

SILVER LION MINING AND DEVELOPMENT COMPANY, LIMITED.

(Incorporated Oct. 5th, 1906, under the Laws of Ontario.)

Authorized Capital—$500,000. Par value, $1.00.

Property—N.W. ¼ of the N. ½ of Lot 13, Concession 3, Township of Coleman.

Note.—This company has been bought out and merged into the British American Cobalt Mines, Limited.

SILVER LODE MINES, LIMITED.

(Incorporated September 16, 1908, under the Laws of Ontario.)

Head Office—Windsor, Ontario.

Directors—C. M. Moore, President; J. M. Bour, Toledo, Ohio, Secretary-Treasurer.

Property—S.W. ¼ of S. ½, Lot 2, Concession 6, Coleman, 40 acres. This is the old Queen Alexandra property.

Equipment—Small plant.

Note.—Work was begun on the property June 20, 1909, the company using the 120-foot shaft sunk by the former owners of the mine. Considerable development work has been done on a promising vein in the diabase formation.

No market.

SILVER 9 COBALT MINES, LIMITED.

(Incorporated March 1st, 1907, under the Laws of Ontario.)

Head Office—29 Manning Arcade, Toronto.

Directors J. W. Garvin, President; F. A. Labelle, Vice-President; Dr. D. A. McPherson, Sec.-Treas.; J. T. Schell, R. J. Watson, H. H. Lang, Alex. Smith.

Authorized Capital—$1,000,000. Par value, $1.00. 290,000 shares in treasury.

Property (1) E. ½ of N.E. ¼ of S. ½ of Lot 12, Concession 5, Coleman Township, 20 acres.

(2) W. ¼ of N.W. ¼ of S. ½ of Lot 11, Concession 5, Coleman Township, 20 acres.

(3) W. ½ of N.E. ¼ of S. ½ of Lot 19, Concession 3, Coleman Township, 20 acres.

(4) S. ½ of S.E. ¼ of N. ½ of Lot 19, Concession 3, Coleman Township, 20 acres.

(5) E. ½ of N.E. ¼ of S. ½ of Lot 19, Concession 3, Coleman Township, 20 acres.

(6) N.E. part of N. ½ of Lot 18, Concession 4, Coleman Township, 40 acres.

(7) Half interest in Island Anima, Nipissing Lake.

Title—Six of the above claims are patented; and lease for island will be issued as soon as the survey is made.

Equipment—No expensive machinery in equipment, as the work to date has been done by hand labour.

Development—We are informed September 21, 1909:

"One shaft down 50 feet; in another claim a tunnel run in 50 feet, and a shaft sunk 25 feet; a third shaft down 20 feet in another claim; three good cabins erected and a lot of surface trenching done."

Note.—Not in producing area. No market.

SILVER PICK COBALT MINING COMPANY, LIMITED.

(Incorporated February 13th, 1907, under the Laws of Ontario.)

Head Office—Ottawa, Ontario.

Authorized Capital—$1,000,000. Par value, $1.00.

Note.—This Company was formed to work properties in the S. ½ of Lot 4, Concession 5, Bucke.

We are informed, December 15th, 1909: "The company has never been actually in business and at present has no property at all . . . . It has no standing as a company."

THE SILVER RIDGE MINING COMPANY, LIMITED.

(Incorporated January 23rd, 1907, under the Laws of Ontario.)

Head Office—Thorold, Ont.

Directors—Joseph Battle, Thorold, Ont., President; W. M. German, M.P., Welland, Ont., Vice President; A. W. Jackson, Welland, Ont., Secretary Treasurer; W. H. Ryan, Buffalo, N.Y.; V. D. Ryan, Buffalo, N.Y.; T. R. Hind, Butte, Mont.

Authorized Capital—$1,000,000. Par value, $1.00. 550,000 shares in treasury.

Property—Four patented claims, being:—(1) E. ½ of S.W. ¼ of N. ½, Lot 18, Concession 3, Coleman, 20 acres; (2) N. ½ of N.W. ¼ of W. ½, Lot 18, Concession 3, Coleman, 20 acres; (3) claim in unsurveyed part of Coleman near Trout Lake, 40 acres; (4) claim adjoining No. 3, 40 acres—in all, 120 acres.

Development—Some work done for a couple of months in 1907, making a camp and digging to a depth of 15 to 20 feet. Nothing done since then.

Note.—Not in or near producing area. Not working.

No market.

SILVER ROCK COBALT MINES COMPANY.

Offices—116 Broad Street, New York City; 84 State Street, Boston, Mass.; Cobalt, Ontario.

Solicitors—Ryckman, Kerr, MacInnes & Mahon. Charles Prepenbrink, Treasurer.

Authorized Capital—$3,000,000. Par value, $1.00. 2,500,000 shares in treasury.

Note.—Unable to ascertain that this company has title to any property in Cobalt.

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SILVER SQUARE MINING COMPANY, LIMITED.

(Incorporated February 8, 1907, under the Laws of Ontario.)

Head Office.—Cobalt, Ontario.

Authorized Capital.—$50,000. Par value $1.00.

Property. 160 acres patented claim, being the N. ½ of Lot 1, Concession 12, Lorrain.

Note.—This company was incorporated to be the operating and charter holding company for the Silver Square Mines (which see).

THE SILVER STAR MINING COMPANY, LIMITED.

(Incorporated February 19th, 1909, under the Laws of Ontario.)

Head Office—New Liskeard, Ontario.

Directors—W. V. Cragg, President; Geo. Sweeting, Vice President; W. J. Evans, Secretary Treasurer; F. W. Ferguson, J. A. Miller.

Authorized Capital—$40,000. Par value, $1.00.

Property. S. ½ of N.W. ¼ of S. ½, Lot 1, Concession 6, Coleman, 20 acres; N. ½ of S.W. ¼ of S. ½, Lot 1, Concession 6, Coleman, 20 acres—40 acres.

Title—Patent issued.

Development—Two shafts 20 and 25 feet.

Not working.

SMALTITE SILVER MINING COMPANY, LIMITED.

(Incorporated April 12, 1907, under the Laws of Ontario.)

Head Office—1428 Traders Bank Building, Toronto.

Directors—Alex. M. Hay, 1428 Traders Bank Bldg., Toronto; George H. D. Lee, H. A. Clarke, Toronto; H. A. Wiley, Toronto; Ernest E. Ling, New York; H. C. Muller, New York; Robert Mulford, New York.

Authorized Capital—$1,000,000. Par value $1.00.

Property—621 acres, more or less, lying between the Montreal River and the Gillies Timber Limit Line.

19 claims being more particularly described as H.S. 5, 6, 7, 8, 9, 10, 12, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, and 24.

Title—Leases granted.

Equipment—Complete camp for twenty five men.

Development—The company reports: "One shaft 153 feet and another 73 feet. Numerous test pits. 150 feet of drifting with surface trenching and stripping."

No market.

SOO COBALT MINING COMPANY, LIMITED.

(Incorporated May 18th, 1906, under the Laws of Ontario.)

Authorized Capital—$50,000. Par value, $1.00.

All the issued stock of this company was repurchased at the issued price by the promoter. The company is defunct.

THE SOUTHERN BELLE COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated November 24th, 1906, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Solicitors—Lennox & Lennox, Toronto.

Directors—R. J. Tretheway, Toronto, Ont., President; W. H. Marsh, Toronto, Ont., Vice President; John F. Lennox, Toronto, Ont., Secretary; R. S. Gilpin.

Authorized Capital—$1,000,000. Par value, $1.00. 300,000 shares in treasury.

Property—N.E. ¼, S. ½, Lot 9, Concession 5, Coleman. Patented.

Note—Not operating. Not in producing area. No market.

SOVEREIGN COBALT MINING COMPANY, LIMITED.

(Incorporated November 29th, 1905, under the Laws of Ontario.)

Head Office—Care of Wm. Postlethwaite, Confederation Life Building, Toronto.

Solicitor—R. B. Beaumont, 24 Adelaide St. East, Toronto.

Directors.—A. Howard Green, Toronto, President; Charles M. Simpson, Winnipeg, Man., Vice President; Fred. W. Jacobi, Toronto; Reginald Brown, Sheffield, England; R. N. McIvor, Toronto; Wm. Postlethwaite, Toronto; A. N. McPherson, LL.D., Winnipeg, Man.

Authorized Capital—$200,000. Par value, $1.00. 100,000 shares in treasury.

Property—Two properties in Hudson Township.

Note.—Not in or near the area of silver enrichment. Not operating.

No market.

SPEARS MINING CORPORATION, LIMITED.

(Incorporated September 17th, 1907, under the Laws of Ontario.)

Solicitors—Lennox & Lennox, Toronto.

Authorized Capital—$50,000.

Note.—This is one of the many flotations of L. W. Spear & Company. We are informed by the solicitors that this company is defunct.

ST. ANTHONY COBALT MINING COMPANY, LIMITED.

(Incorporated December 5th, 1906, under the Laws of Ontario.)

Head Office—Haileybury, Ont.

Solicitors—Day, Ferguson & O'Sullivan.

Authorized Capital—$100,000.

Note.—A close corporation organized to buy and sell mining claims. Not an operating company.

ST. ANTHONY PROSPECTING, DEVELOPING AND MINING COMPANY, LIMITED.

(Incorporated February, 1909, under the Laws of Ontario.)

Head Office—Cobalt, Ont.

Solicitors—Lennox & Lennox, 152 Bay Street, Toronto.

Directors—Father Joseph Zubrycki, Delancey, Pa., President; Samuel D. Madlin, Cobalt, Ont., Vice President; Father John Deville, Wallston, Pa., Secretary; Edward F. Lynch, Punxsutawney, Pa., Treasurer.

Authorized Capital—$500,000. Par value, $1.00.

Property—A five years' lease, dated March 30th, 1908, from the Peterson Lake Mining Company, of Section D.E.F.G., Lot Eleven.

Dividends—The Directors have passed a special by-law that from time to time when dividends shall be legally declared by the directors of the company, and when the same shall be payable, one quarter of the amount of such dividends shall be paid for the benefit of charity, and shall be retained by the company, subject to the following provisions: When a dividend is payable as aforesaid, each shareholder shall be at liberty to name a charity to which one quarter of the amount payable in dividends on the shares held by such shareholder shall be paid, and the amount thereof shall be forthwith paid by the company to the charity so named, and a receipt from the proper officers of the said charity to receive the same shall discharge the company from paying such amount. If, after one month from the time of receipt by a shareholder of any dividend, he neglects or refuses to name a charity to which one fourth of the amount of his dividends aforesaid shall be paid, the directors in their uncontrolled discretion shall pay such amount to such charity as they may name, and a receipt for the amount by the proper officer in charge of such charity shall discharge the company from further payment thereof. The term "charity" for the purposes of this provision shall mean any public association organized to promote education for the relief of the indigent, the care of the sick, or other institutions of that nature.

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Development.—A shaft has been sunk to a depth of 150 feet by hand. Machinery is to be installed when the hydraulic power is ready for delivery.

No market.

ST. LAWRENCE COBALT CONSOLIDATED MINING COMPANY.

(Incorporated.)

Head Office.—128 Ellicott Sq. Building, Buffalo, N.Y.

Directors.—Willis E. Waterman, Buffalo, N.Y., President; E. J. Poome, Buffalo, N.Y., Vice President; George A. Cotton, Depew, N.Y., Secy.-Treasurer; C. H. Foster, Buffalo, N.Y., Assistant Secretary; M. F. Waterman, Buffalo, N.Y.; Hiram W. Eaton, Bolivar, N.Y.; Fred J. Wilson, Bolivar, N.Y.; J. W. Clark, Terrehaut, Ind.; W. F. Latte, Niagara Falls, N.Y.

Capital.—$1,500,000. Issued, $[illegible]. Par value, $1.00.

Property.—N.E. ¼, N. ½, Lot 3, Concession II, Lorrain. N.W. ¼, S. ½, Lot 4, Concession II, Lorrain. N.W. ¼, S. ½, Lot 4, Concession 8, Lorrain. S. ½ of S.E. ¼, Lot 4, Concession 8, Lorrain. 1 claim of 18 acres, being an island in Sasaginaga Lake, [illegible] and 10 acres to the west of the same. S.E. ¼, S. ½, Lot 10, [illegible] in Buckle. 1 claim of 40 acres in Dymond township. 1 claim in Armstrong township. Total property about 448 acres.

Note.—Considerable development work has been done on the Sasaginaga Lake property. The rest of the properties are outside the productive area.

Market.—October 29, 1909, 6 to 10 cents.

ST. LAWRENCE COBALT MINING COMPANY, LIMITED.

(Incorporated February 13th, 1907, under the Laws of Ontario.)

Head Office.—Bridgeburg, Ont.

Authorized Capital.—$40,000.

Solicitor.—Edmund James Plumley, Buffalo, N.Y.

Note.—This company is now merged into the St. Lawrence Cobalt Consolidated Mining Company.

THE ST. PAUL COBALT MINING COMPANY, LIMITED.

(Incorporated November 28, 1906, under the Laws of Ontario.)

Head Office.—34 Victoria Street, Toronto.

Counsel.—Zeba Gallagher, Toronto.

Directors.—A. G. Terrill, Haileybury, Ont., President; Valentine Cropsey, Haileybury, Ont., Vice President; Homer L. Gibson, Haileybury, Ont., Sec.-Treas.; C. M. Lardon, Cobalt, Ont.; Jacob Cropsey, Haileybury, Ont.

Authorized Capital.—$600,000. Par value, $1.00. 100,000 shares in treasury.

Property.

(1) 60 acres, owned.

S.E. ¼, N. ½, Lot 14, Concession III, Coleman. Patented.

W. ½, S.W. ¼, N. ½, Lot 13, Concession III, Coleman. Patented.

(2) 40 acres; S.E. ¼, S. ½, Lot 16, Concession V, Coleman. Patented.

(3) 40 acres; S.E. ¼, N. ½, Lot 18, Concession III, Coleman. Certificate of Record.

(4) 20 acres; E. ½, S.E. ¼, S. ½, Lot 18, Concession V, Coleman. Patented.

(5) 20 acres; S. ½, N.W. ¼, N. ½, Lot 14, Concession IV, Coleman. Patented.

Equipment.—No machinery. Camp buildings.

Development.—The secretary reports, October 16th, 1909: "Men have been employed continuously since May 20th trenching, of which several thousand feet has been done, disclosing several veins of calcite, showing smaltite, niccolite and cobalt bloom. Shafts will be sunk during the coming winter on the most promising showings."

Note.—These properties are several miles from the producing area. No market.

STANDARD COBALT MINES, LIMITED

(Incorporated Dec. 19, 1906, under the Laws of Ontario.)

Authorized Capital.—$2,000,000. Par value $5.00.

All the shares of this company are held and owned by the Cobalt Central Mines Company.

The Standard Company is the operating company of the Cobalt Central Mines Company, which [illegible]

STAR SILVER COBALT MINING COMPANY, LIMITED.

(Incorporated April 11th, 1906, under the Laws of Ontario.)

Authorized Capital.—$2,000,000.

This company for a short time held an option on the property now owned and operated by the Nova Scotia Company. The option was abandoned and the company has since gone out of existence.

STELLAR SILVER COBALT CORPORATION, LIMITED.

(Incorporated November 28th, 1906, under the Laws of Ontario.)

Head Office.—Sudbury, Ont.

Directors.—J. F. Black, Sudbury, Ont.; Charles McCrea, Barrister, Sudbury, Ont.; Joseph Morin, Sudbury, Ont.

Authorized Capital.—$1,000,000. Par value, $1.00.

Property.—The N.E. ¼ of the N. ½ of Lot 14, Concession 1, Township of Bucke.

Development.—The company reports September 6th, 1909: "Stripping, diamond drill hole 200 feet, cutting 18 veins, which show calcite but no native silver. Three shafts, one thirty five feet in depth in which native silver has been found."

No market.

STERLING SILVER COBALT MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

The title of this company was changed November 9th, 1906, to Cobalt American Development Company, Limited.

THE STRATHCONA SILVER MINING COMPANY, LIMITED.

(Incorporated March 1, 1907, under the Laws of Ontario.)

Head Office.— 15 Wellington Street, East, Toronto.

Solicitors.—Samuel King, Toronto, Ont.; Mullin & Mathieu, Montreal, Que.

Directors.—Robert T. Mullin, Montreal, Que., President; R. H. Hall, Cobalt, Ont., Vice President; J. P. Beaudoin, 118 St. James Street, Montreal, Que., Secretary; A. S. Hamilton, Montreal, Que.; Charles J. Giroux, Montreal, Que.; John Black, Cobalt, Ont.; E. B. Devlin, K. C., M. P., Ottawa, Ont.

Authorized Capital.—$800,000. Par value $1.00.

Property.—Cobalt property, 40 acres: S.E. ¼, N. ½, Lot 10, Concession 11, Bucke. Larder Lake properties, 6 claims of 40 acres each, recorded under the numbers: 2367,2098, 3009, 3010, 3011, 3012. None of these properties are in or near the producing area.

Development.—Consists of trenching and sinking prospect shafts. Working.

Nominal market—October 23, 1909, 7 to 11 cents.

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SUTHERLAND COBALT SILVER MINES, LIMITED.

(Incorporated June 7th, 1906, under the Laws of Ontario.)

Head Office—Toronto, Ont.

Solicitors—Urquhart, Urquhart & Page, Confederation Life Building, Toronto.

Directors—Henry A. Taylor, Toronto, President; W. J. Sutherland, Cobalt, Vice-President; J. A. McIntosh, Secretary-Treasurer; J. E. Brown, M.D., George W. [illegible]

Authorized Capital—$1,000,000. Par value, $1.00. [illegible] shares in treasury.

Property—S. ½ of N. ½, Lot 5, Concession 1, Township of Bucke.

Title—Held under [illegible] title of record.

Development—Assessment work only has been performed as the company is in process of organization.

Note—Not in producing area. No market.

SUSQUEHANNA MINING COMPANY, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office—984 Ellicott Square, Buffalo, N.Y.

Mines—Cobalt, Ont. John Brydge, Manager.

Directors—E. A. Niel, President; W. G. Case, Vice-President; John J. Mossman, Secretary; W. F. Lloyd, Treasurer.

Capital Authorized—$30,000. (Application has been made to increase to $60,000.)

Properties—The company has taken over the lease on the north end of Peterson Lake originally made to John Brydge and his associates.

Equipment and Plant—Six drill Bladell air compressor; 8 x 10 hoisting engine; [illegible] h.p. return tubular boiler.

Buildings and Shops—Blacksmith shop and equipment; engine and store houses.

Shafts—One shaft which has reached a depth of 185 feet and is to be continued to a depth of 210 feet.

Veins—The company report that a very promising vein has been located about 30 feet west of the sha[illegible] on the edge of the lake running in a northeasterly direction.

No market.

SUTTON BAY COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated January 23, 1907, under the Laws of Ontario.)

Head and Transfer Office.—50 Congress Street, Boston, Mass.

Directors—Edward W. Cate, Boston, Mass., President; Wm. S. Mitchell, Haileybury, Ont.; H. Churchill Nickerson, Boston, Mass.; Edward J. Skilman, Boston, Mass.; John F. Bentley, Boston, Mass.; Ezra O. Windsor, Boston, Mass.; Maurice V. Baker, Boston, Mass.

Authorized Capital—$500,000. Par value $1.00.

Property—N.E. ¼, S. ½, Lot 16, Concession V, Harris. N.W. ¼, of N. ½, Lot 6, Concession V, Harris. S.W. ¼ of N. ½, Lot 6, Concession VI, Harris.

Note—Not in or near the producing area. Not working. No market.

TIFFANY-COBALT MINES, LIMITED.

(Incorporated January 23, 1907, under the Laws of Ontario.)

Head Offices—Cobalt, Ontario, Canada. 426 Banigan Building, Providence, R. I., U. S. A.

Authorized Capital—$600,000. Par value $1.

Property—Owned N.W. ¼, N. ½, Lot 1, Concession V, Coleman.

Note—This company is defunct.

TORONTO COBALT MINING COMPANY.

(Incorporated under the Laws of Ontario.)

Authorized Capital—$300,000.

Property—The N.E. ¼ of the S. ½ of Lot 7, Concession 6, Township of Coleman, District of Nipissing.

The company was merged into the Amalgamated Cobalt Mines, Limited.

THE TRINITY COBALT MINING CORPORATION, LIMITED.

(Incorporated under the Laws of Ontario.)

Winding up order for this company granted June, 1909.

ULRICA MINING COMPANY, LIMITED.

(Incorporated March 18, 1908, under the laws of Ontario.)

Head Office—Room 19, 43 Scott Street, Toronto.

Solicitor—Shirley Denison, Toronto.

Directors—John A. Ulrich, Newport, N.Y., President; Lee J. Lockwood, 43 Scott St., Toronto, Vice-President; J. D. Lockwood, Toronto, Ont., Secy.-Treasurer; W. E. Sampson, Toronto, Ont.,; J. C. Colling, Toronto, Ont.

Authorized Capital—$1,000,000. Par value, $1.00. 400,000 shares in treasury.

Property—One patented claim being: N. E. part of the S. ½, Lot 10, Concession 1, Bucke. Containing 43 acres.

Note—Property lying dormant. No Market.

UNION PACIFIC COBALT MINES, LIMITED.

(Incorporated under the Laws of Ontario.)

Head Office.—Ottawa, Ontario.

Transfer Office.—The Crown Trust Company, Montreal, Que.

Directors.—A. F. MacLaren, Stratford, Ont., President; J. K. Paisley, Ottawa, Ont., Vice-President; Harrison Greer, Detroit, Mich.; D. O'Connor, Jr., Ottawa, Ont.; E. M. Barrett, Ottawa, Ont.; H. W. Higgins, Montreal, Que.; Joseph Oliver, Toronto, Ont.; Secretary, H. H. Short, Ottawa, Ont.

Authorized Capital.—$3,500,000. Par value $1.00. 2,000,000 shares in Treasury.

Property.—An amalgamation of: The Canadian Pacific Cobalt Development Company, Limited; Ottawa Cobalt and Silver Mining Company, Limited; Ontario Cobalt Development Company Limited; Silver Falls Mining Property, (Thunder Bay District, Port Arthur);

Lease Peterson Lake Mining Company, Coleman Township, about 191 acres, Bucke Township, about 360 acres, Lorraine Township, about 520 acres, Silver Falls, about 80 acres, Peterson Lake Lease, about 13 acres, Total 1,164 acres

Equipment.—Complete at Peterson Lake lease, and at Silver Falls.

Note.—This company has also a lease, with option to purchase on the Michigan Cobalt property (which see).

Market.—Montreal Curb, November 9, 1909, 19 to 21.

UNITER MINES OF COBALT, LIMITED.

(Incorporated Sept. 5, 1906, under the Laws of Ontario.)

Head Office—Toronto.

Authorized Capital—$1,000,000.

Note.—This company has never operated.

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UNITED SILVER COMPANY, LIMITED.

(Incorporated October 26, 1908, under the Laws of Ontario.)

Offices—Cobalt, Ontario, and 41-43 Wall Street, New York.

Solicitors—Day, Ferguson and O'Sullivan.

Directors—Thomas M. Rees, Pittsburg, Pa., President; Charles C. Spear, New York, Vice-President; Charles A. Spear, New York, Secretary.

Property.—N.W. ¼, S. ½, Lot 8, Concession 11, Bucke, 40 acres. N.E. ¼, S. ½, Lot 8, Concession 11, Bucke, 40 acres. N.W. ¼, S. ½, Lot 9, Concession 2, Bucke, 40 acres. N. E. ¼, S. ½, Lot 9, Concession II, Bucke, 40 acres. N.E. ¼, N. ½, Lot 7, Concession I, Bucke, 40 acres. N.W. ¼, N. ½, Lot 6, Concession I, Bucke, 40 acres. E. ½, N.E. ¼, of S. ½, Lot 10, Concession VI, Coleman, 20 acres.

Note.—The directors of this company have tendered their resignations and the company is in process of reorganization. The properties are not in or near the producing area.

No market.

UNITED STATES COBALT COMPANY, LIMITED.

(Incorporated December 7th, 1906, under the laws of Ontario.)

Head Office—Mills Building, 35 Wall Street, New York.

Transfer Office—Exploration Co. of New York, 35 Wall St., New York City.

Directors—F. G. Corning, New York, President; W. D. Lummis, Collingwood, Ont., Vice-President; C. Van Rensselaer Cogswell, New York, Secretary-Treasurer; C. C. Burger, New York; Stafford Higgins, Collingwood, Ont.; Dwight J. Turner, Tofonto, Ont.; Sydney Green.

Authorized Capital—$3,000,000. Par value, $1.00.

Property—Three patented claims, being:—(1) S.W. ¼ of S. ½, Lot 9, Concession 1, Bucke, 40 acres; (2) S.E. ¼ of S. ½, Lot 7, Concession 1, Bucke, 40 acres; (3) S.W. ¼ of N. ½, Lot 10, Concession 2, Bucke, 40 acres—in all, 120 acres

Equipment—Complete camp. Engine, boiler, drills, pumps, hoist, etc.

Development—The company reports, October 22nd, 1909: "We have been doing development work on our properties since 1908, but expect to start operations up there again this fall."

No Market.

THE UNIVERSITY MINES, LIMITED.

Authorized Capital—$1,000,000.

Note.—This company is now controlled by The La Rose Consolidated Mines, Limited, who own ninety-six per cent. of its capital stock.

UNUM COBALT MINING COMPANY, LIMITED.

(Incorporated June 12, 1908, under the Laws o Ontario.)

Head Office.—Windsor, Ontario.

Authorized Capital.—$400,000.

Note.—No further information obtainable.

THE VICEROY COBALT MINING COMPANY, LIMITED.

(Incorporated February 6, 1907, under the laws of Ontario.)

Head Office—50 Congress Street, Boston, Mass.

Transfer Offices—International Trust Co., Boston, Mass. The Trusts & Guarantee Co., Toronto, Canada.

Directors—Hon. John H. Gimby, Sault Ste. Marie, Ont., President; Hon. A. Cyril Boyce, Sault Ste. Marie, Ont., Vice-President and Treasurer; Charles L. Bray, Toronto, Ont., Secretary; W. E. Gimby, M. D., Sault Ste. Marie, Ont., Director.

Authorized Capital—$300,000. Par value $1.00.

Property—Located in Bucke Township, near the town of Haileybury.

Note: The Solicitors of the company write: October 6, 1909:—"We are under the impression that this company did not advance further than the infant stage." Would have been better if it had never reached this stage.

VICTORIA SILVER COBALT MINES, LIMITED.

(Incorporated November 2nd, 1906, under the laws of Ontario.)

Head Office—52 Broadway, New York.

Directors.—M. E. de Aguero, New York, President; G. W. Van Ness, New York, Secy.-Treasurer; John L. Martin, New York; T. Henry Brish, New York; J. W Aguero, New York; A. H. Perfect, Toronto; H. A. Beatty, M. D., Toronto.

Authorized Capital—$1,000,000. Par value $1.

Property—Consists of 29 acres more particularly described as the N.W. ¼ of the N. ½ of Section 3, Concession 5, Township of Coleman, Patented.

Equipment—A complete plant and set of buildings.

Development—Five shafts are down respectively 245, 200, 85, 73, and 40 feet. 800 feet of drifting and cross-cutting and 700 feet of diamond drilling has been done. This property is well located, silver has been found in small quantities in two veins; so far no important ore bodies have been developed.

No Market.

THE VIOLET MINING COMPANY, LIMITED.

(Incorporated August 3rd, 1906, under the Laws of Ontario.)

Authorized Capital—$250,000.

All the capital stock of this company is now held by the La Rose Consolidated Mines, Limited.

THE WABI COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated June 27th, 1906, under the Laws of Ontario.)

Head Office—Winnipeg, Man.

Directors—W. L. Parish, Winnipeg, Man.; W. McMahon, Winnipeg, Man.; J. D O'Brien, Grain Exchange, Winnipeg, Secretary.

Authorized Capital—$500,000. Par value, $1.00.

Property—N.E. ¼ of S. ½, Lot 4, Concession 11, Lorrain. Patented.

Equipment—Plant installed May, 1907, camp buildings for 35 men, office, etc.

Development—A shaft down 100 feet, considerable trenching and stripping. No values of importance located.

Note.—No work done for some time.

No market.

WABISHONIA COBALT MINING COMPANY, LIMITED.

(Incorporated Dec. 2, 1908, under the Laws of Ontario.)

Directors.—James H. Mitchell, 15 Richmond St. West, Toronto, President; H. F. Wyatt, Vice-President; E. H. Bickford; John Peverley; F. P. Brazill; A. J. Hutty, Secretary.

Authorized Capital.—$100,000. Par value $1.00.

Registrar & Transfer Agents.—The Imperial Trusts Company, of Canada.

Property.—20 acres at Sasaginaga Lake including an island.

Note.—The President reports, August 28, 1909, Very little has been done on the property to date and no stock has been offered by the company to the public.

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WALDMAN SILVER MINES, LIMITED.

(Incorporated 1909, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Directors—J. H. Waldman, President; J. F. Brown, Vice-President; H. Jemmett, Secretary-Treasurer.

Authorized Capital—$2,500,000. Par value, $1.00. 350,000 shares in treasury.

Property—Lots A.10, A.12, A.13, A.21, A.22, in the Gillies Timber Limit, adjoining the Township of Coleman, 92 acres.

Title—Crown Patent.

Equipment—8 x 10 hoist; 3 drills, and usual minor equipment. Power supplied by Provincial Mine.

Development—Prospecting and trenching. A vein of high grade ore on N.E. corner of Lot A.22. A 2-compartment shaft sunk on vein to a depth of 85 feet. Station at 75-foot level; a drift will be run east and west. Shaft timbered with square sets. Shaft house erected 55 feet high with ore house adjoining. Shaft will be sunk 100 feet more.

Several tons of high grade ore taken out.

The first shipment will be made by January 1st, 1910.

WATASH COBALT MINES, LIMITED.

(Incorporated December 7th, 1908, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Directors—Edward McM. Mills, President; H. P. Glidden, Vice-President; George C. Miller, Secretary; Henry C. Clarke, Treasurer.

Authorized Capital—$1,500,000. Par value, $1.00.

Property.—Is located in the N. ½ of Lot 3, Concession 6, Coleman, and contains 19 acres.

No market.

THE WATERLOO MINING COMPANY, LIMITED.

(Incorporated October 12th, 1906, under the Laws of Ontario.)

Head Office—Berlin, Ont.

Authorized Capital—$200,000.

Note:.Sold its properties early in 1907, to the Cobalt American Development Company

No Market.

WEST COLEMAN SILVER MINES, LIMITED.

(Incorporated March 2, 1908, under the Laws of Ontario.)

Directors—J. H. Rukeman, Youngstown, Ohio, President; J. W. Parkin, Youngstown, Ohio, Vice-President ; James A. Cooper, Youngstown, Ohio, Treasurer; B. A. Schoerke, Youngstown, Ohio, Secretary; A. W. Thompson, Orangeville, Ohio; H. B. Rukeman, St. Louis, Mo.; John Bott, Youngstown, Ohio; Cameron Camp, Youngstown, Ohio; Chas. R. Tilkerson, Youngstown, Ohio..

Authorized Capital—$750,000. Par value $1.00. 400,000 shares in treasury.

Property—400 acres; 10 claims, all in one property being Lots 24, and 25, Concession 11, Coleman, and Lots 24, 25, and 26, Concession 111, Coleman.

Note—Not in producing area.

No Market.

THE WHITE SILVER COMPANY, LIMITED.

(Incorporated Oct. 13, 1905, under the laws of Ontario)

Authorized Capital $100,000.

A letter in our scrapbook reads:—"Has never issued any prospectus or other printed matter. None of its capital stock is or has been for sale." We are informed September 20th—"The White Silver Company has practically gone out of business."

No Market.

THE WILGAR LAKE COBALT MINING COMPANY, LIMITED.

(Incorporated January 25th, 1907, under the Laws of Canada.)

Business Office—Wm. J. Lawrence, 514 Brisbane Building, Buffalo, N.Y.

Directors—Howard M. Clark, Fredonia, N.Y., President; D. L. Robinson, Buffalo, N.Y., Vice-President; W. J. Lawrence, Buffalo, N.Y., Secretary; A. B. Kellogg, Buffalo, N. Y., Treasurer; T. R. Capwell, Cobalt, Ont.; F. G. Kiser, Dunkirk, N.Y.; W. L. Koch, Dunkirk, N.Y.

Authorized Capital—$100,000. Par value $1.00.

Property—The S.E. ¼ of the S. ½ of Lot No. 6, in the 2nd Concession of the Township of Bucke, in the District of Nipissing, containing in all 37 4-10 acres. Diamond drilling is being carried on. This property lies outside the recognized productive area.

No Market.

THE WILLIAMSON MARKS MINES, LIMITED.

(Incorporated February 21st, 1906, under the Laws of Ontario.)

Authorized Capital—$300,000.

The company is no longer in operation. Its properties were sold to the Cross Lake Silver Mining Company and Belmont Silver Mines.

THE WINDSOR AND COBALT MINING COMPANY, LIMITED.

(Incorporated July 22nd, 1905, under the Laws of Ontario.)

Head Office—Windsor, Ont.

Directors—John Scott, Windsor, Ont., President; George A. Wintermute, Sandwich, Ont., Vice-President; James S. Austin, Essex, Ont., Sec.-Treas.; John F. Millen, Sandwich, Ont.; Charles Chapman, Sandwich, Ont.; Moses Price, Elmstead, Ont.; C. A. Spafford, Blyth, Ont.; A. L. Lafferty, Ojibwa, Ont.; Geo. H. Wintermute, Belle River.

Authorized Capital—$150,000. Par value $1.00.

Property.—None. This company owned two claims in Coleman which they sold to the Lake George Mining Company.

W. J. TRETHEWEY COMPANY, LIMITED.

(Incorporated March 15th, 1907, under the Laws of Ontario.)

Head Office—Toronto, Ontario.

Directors—Capt. John Trethewey, 129 Spadina Road, Toronto, President.

Property.—N. ½ of N.E. ¼ of N. ½, Lot 2, Concession 6, Coleman, 20 acres—Patented, E. ½ of N.E. ¼ of N. ½, Lot 10, Concession 5, Coleman, 20 acres. Patented.

Development—Small amount of surface work done.

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WOLST REES COBALT SILVER MINING COMPANY, LIMITED.

(Incorporated May 7th, 1906, under the Laws of Ontario.)

Head Office and Transfer Office—1008 Ford Building, Detroit, Mich.

Directors.—F. Stephen Kratzet, President; George H. Hett, Vice-President; Francis H. Warren, Secretary; John W. Wolst, Treasurer; Frank Schwartz, Alexander Campbell, Adolph Voege.

Authorized Capital $1,000,000.00. Par value, $1.00. 350,000 shares in treasury.

Property—The N.E. ¼ of the S. ½ of Lot 2, Concession 12, Township of Lorrain. The N. ½ of the N. ½ of Lot 6, Concession 2, Township of Bucke. Also two unsurveyed claims in the Township of Boston.

Title—Patented.

Development—Oct. 1st, 1909, Shaft No. 1, 68 feet deep; Shaft No. 2, 45 feet deep.

Not in producing area.

No Market.

WRIGHT SILVER MINING COMPANY, LIMITED.

(Incorporated August 15th, 1906, under the Laws of Ontario.)

Authorized Capital—$200,000.

Location—N. W. ¼ of Cobalt Town Plot. 40 acres.

Note—A close corporation. Property now leased to Cobalt Central.

WYANDOH SILVER MINES, LIMITED.

(Incorporated October, 1909 under the Laws of Ontario.)

Directors—Dr. Milton L. Hersey, M.A., Sc., President; James A. Brook, Vice-President; Alex. Pringle, Shirley Ogilvie, Col. Chas. A. Smart, John P. Black, James Robinson. Engineer in charge, Balmer Neilly, M.E.

Authorized Capital—$3,000,000. Par value, $1.00. Issued, 2,500,000.

Property.—A.23, 17 acres, Gillies Limit.—"The Young O'Brien Lot."
A.26, 20 " " "
A.39, 18 " " "
A.15, 20 " " "
75 acres.

Geology—The surface geology of A.23 consists of approximately 2 acres of conglomerate, 3 to 4 acres of diabase, and 10 to 11 acres of Keewatin, while that of A.26, 34 and 15 is largely conglomerate and diabase.

Veins.—The preliminary prospecting work on A.23 has located 6 veins, 4 of which carry some native silver.

Vein No. 1—An extension of the Waldman, is the only one so far located that can be counted on as a producer, the others have only a prospective value.

The Waldman vein was first located on the lot west of A.23 and trenched to the line by the Waldman Company. On A.23 it has been uncovered for 56 feet east from the Waldman line. In this distance it varies considerably in width and is, in places, much shattered; on the west end it breaks up into small stringers. The most spectacular showing is on the east end near the line where it shows 10 inches of native silver, smaltite and calcite. (See Waldman Company for description of developments in shaft on this vein.)

The Wyandoh Company is controlled by a strong syndicate of Montreal business men. 2,500,000 of the 3,000,000 shares were issued to the syndicate in payment for the properties of the company, leaving 500,000 shares in the treasury. The syndicate also provided $50,000 in cash for the treasury.

Market—Underwritten at 50 cents, October, 1909.

YOUNGSTOWN COBALT SILVER MINING COMPANY.

(Incorporated Dec. 28, 1906, under the Laws of Ontario..

Authorized Capital—$1,000,000. Par value, $1.00.

Note.—Mr. W. D. Kleinzahla, Secretary of the Youngstown Mining Company, reports: "The Youngstown Cobalt Silver Mining Company, Limited, being heavily indebted to various stockholders, it became necessary to reorganize the company, and The Youngstown Mining Company, Limited, was organized to acquire all the properties and other assets of the old company."

YOUNGSTOWN MINING COMPANY, LIMITED.

Incorporated Oct., 1909, under the Laws of Ontario..

Head Office—18 Toronto Street, Toronto, Ont.

Transfer Office—The M. D. Kleinzahler Co., 414 Stainbaugh Bldg., Youngstown, Ohio.

Directors—G. A. Baker, President; Hon. Randell Montgomery, Vice President; I. Harry Meyer, Secretary-Treasurer, and five Directors.

Authorized Capital—$750,000. Par value, $5.00. 500,000 shares in treasury.

Property—No. 1, The N.W. ¼ of the N. ½ of Lot 8, Concession VI, Township of Coleman, 40 acres.

No. 2, The E. ½ of the N.W. ¼ of the S. ½ of Lot 17, Concession V, Township of Coleman, 20 acres.—60 acres in all.

Title—Patented.

Equipment—Boiler, hoist and other necessary machinery, buildings, etc.

Development—One shaft 112 feet deep and a contract for 100 feet more.

Note.—The No. 1 property is located just west of Sasaginaga Lake, not far from the producing area. The No. 2 property is several miles west of the area of proven silver enrichment.

The company is a reorganization of the Youngstown Cobalt Silver Mining Company. (which see.)

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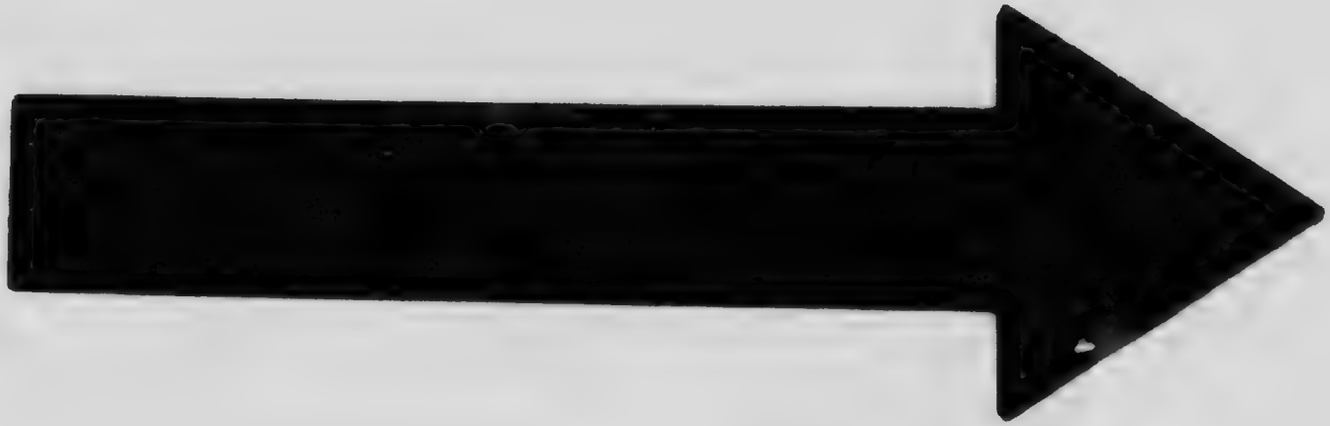

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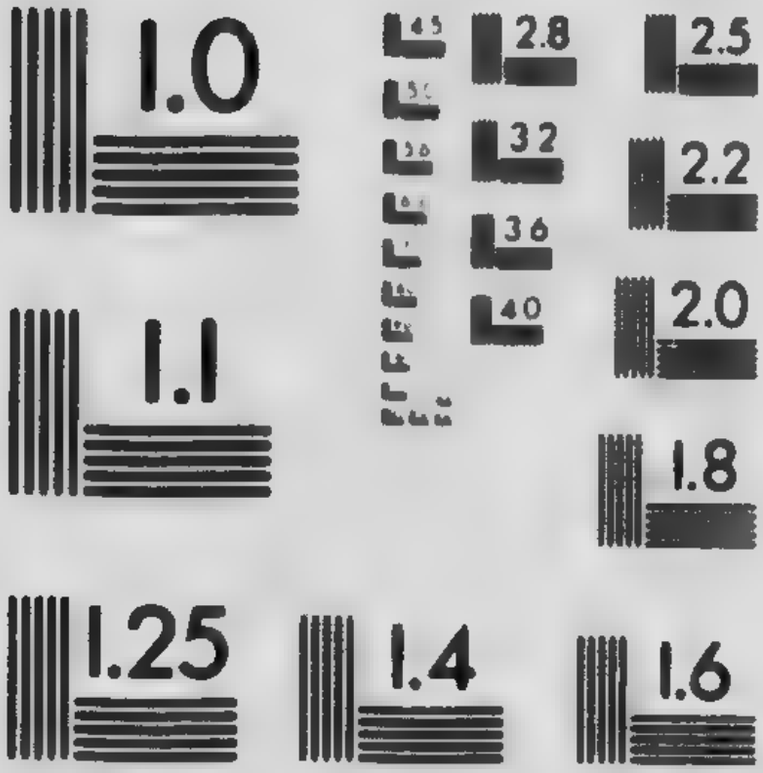

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